

| | | | | | | |
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| actttacctg | tgttaccatc | agaaaaggac | tttaattggaa | gtgatgcctc | taccagcta | 1020 |
| aatacacatt | atgcatttag | caaactaact | tacaagtctt | ccagtggcca | tgaagttag | 1080 |
| aatagcacia | ctgatactca | ggtcattttca | catgaaaaag | aaaacaaact | ggagagttag | 1140 |
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| aaaggaaacc | taaatgaaca | agatccaaaa | cattgtcctg | aaagtgaata | gtgtttgctt | 1260 |
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| cagtcaactc | aaccagaaat | gcataaatat | ggtcagttag | ttaaagtaga | attagaagaa | 1380 |
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| aatacaatgg | caaatacaag | caaacagatt | cttgctagct | gtacactatt | atcagaaaaa | 1500 |
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| attcaccatc | cacggaaaag | gaaagtgtca | cgtgtacctc | agcctgtgca | agtgaagtccc | 1620 |
| tctttactac | aagcaaaaaga | gaaaactcag | caatctctgg | cagccattgt | agattctcta | 1680 |
| aaactagatg | agattcagcc | atacagttca | gagagagcaa | atccatattt | tgaatacttg | 1740 |
| cacataagga | aaaaaataga | agaaaaacgc | aaattactgt | gtagtgtgat | tcctcaagca | 1800 |
| cctcagtact | atgacgaata | tgtaacattt | aacggatcat | atctcctgga | tggaaacccc | 1860 |
| ttaagcaaga | tttgtattcc | cacaattaca | ccaccacctt | cactgtcaga | tccacttaaa | 1920 |
| gagctttttc | gacaacagga | agttgtaagg | atgaaactac | gtttgcaaca | cagtattgaa | 1980 |
| agggaaaaac | tcatgtatc | caacgaacaa | gaagttttgc | gagttcatta | cagagctgca | 2040 |
| agaacattgg | caaatacaac | actgccattt | agtgcctgta | ctgttttgct | ggatgccgaa | 2100 |
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| tcgattatag | ttgggttatgt | agtaaact | gtcattttat | aaaaaatgag | aattattttg | 2580 |
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| agcgtgga | gttggttagcg | ctctaagtaa | taagataacc | actagtattc | aaatctcttt | 2760 |
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| agaaatatag | gaatattcca | gtcaatctct | gaaatgttta | tgaaaaacag | gttaatatgt | 3660 |
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| tgttccgata | gagaaaagt | aagcaaatat | gtgaggaatg | aagtgatcta | gtgcaagttg | 4020 |
| gtaattccag | ctaattgggag | agaatgtaaa | tgtgcaaagg | tacatatata | gcttagggat | 4080 |
| ttttgaattt | ttacgtcagt | ttatatatta | attcttactg | tacttggcat | gcgcaataaa | 4140 |
| gcagcacatg | taaaaaaaaa | aatacacagt | gcaaggactt | tattataaag | gttggatgta | 4200 |
| gttttcctta | aaaatttagg | tgagagattt | tggccttttt | tattggataa | attgggccag | 4260 |
| aaaggcaggg | tagatttcga | agcactgggt | ctggtgaagt | taagtttatt | aagcctggga | 4320 |
| acattaaaag | ctaatttata | aaagcaatac | tttttaatat | gaaaacttac | tgcaaagttt | 4380 |
| gtttatactt | ttgcctaaaa | aggaaattgg | atgggatact | gtggcaaata | ataaaaaacc | 4440 |
| agataattga | actttgaagt | tatagaaaat | cagagagggg | taagtttata | gggcattttg | 4500 |
| ttctgatggt | tcaaccagag | gtctgggaaa | tagcactggt | ggcccaaaca | gaacaggctt | 4560 |
| ttagaagata | aaagcgacaa | gaaggaatct | ggtgaatttt | agtcatccca | gcttttttagt | 4620 |
| cttaaccaca | gttctcactc | tcttaaatgg | tacctcaaaa | agctggagcc | tctctgccat | 4680 |
| gattatgctt | ctacaaattt | cttttataaa | gagactcaaa | gctaatagata | gcttaaaaga | 4740 |
| aaagttaatg | ccttctcatt | ggaaatgtat | aatcaaataa | gtagttaagg | gctttttggta | 4800 |
| ttaaagatat | tctgaagctc | tgaaatgcta | gaaaaaaatt | tggaatggag | tatatgcctg | 4860 |
| aaaaggtttt | ggattcagaa | agaaaaagga | tggttagttt | aatcagtgat | tcttttttaa | 4920 |
| ctcttcaaat | atcatgaaca | agatactaaa | ttgtacctaa | ggatttgtat | ttcttttaca | 4980 |
| tttgttctaa | atatctgttt | aatgactagt | tgatatttgt | gcatgttatt | taataaagag | 5040 |
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<210> 7356

<211> 3179

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (48)...(2375)

<223> similar to gi4757044 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7356

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| tgaagaagta | tgaagtgggt | tatcctataa | gacttcatcc | actgcataaa | agagaggcca | 180 |
| aagagccaga | gcaacaggaa | caatttgaaa | ctgaattaaa | gtataaaatg | acaattaatg | 240 |
| gaaaaattgc | agtgccttat | ttgaaaaaaa | acaagaacct | ccttgacca | ggctacacgg | 300 |
| aaacatatata | taattccact | ggaaaggaga | tcaccacaag | cccacaaatt | atggatgatt | 360 |
| gttattatca | aggacatatt | cttaatgaaa | aggtttctga | cgctagcatc | agcacatgta | 420 |
| ggggtctaag | gggctacttc | agtcaggggg | atcaaagata | ctttattgaa | cctttaagcc | 480 |
| ccatacatcg | ggatggacag | gagcatgcac | tcttcaagta | taaccctgat | gaaaagaatt | 540 |
| atgacagcac | ctgtgggatg | gatggtgtgt | tgtgggccca | cgatttgcag | cagaacattg | 600 |
| ccctacctgc | caccaaacta | gtaaaattga | aagacaggaa | ggttcaggaa | catgagaaat | 660 |
| acatagaata | ttatttgggtc | ctggataatg | gtgagtttaa | aaggtacaat | gagaatcaag | 720 |
| atgagatcag | aaagaggggt | tttgagatgg | ctaattatgt | caacatgctt | tataaaaagc | 780 |
| tcaatactca | tgtggcctta | gttggtatgg | aaatctggac | tgacaaggat | aagataaaga | 840 |
| taaccccaaa | tgcaagcttc | accttggaga | atttttctaa | atggaggggg | agtgttctct | 900 |
| caagaagaaa | gcgtcatgat | attgctcagt | taatcacagc | aacagaactt | gctggaacga | 960 |

| | | | | | | |
|------------|-------------|-------------|------------|-------------|------------|------|
| ctgtgggtct | tgcatttatg | tctacaatgt | gttctcctta | ttctgttggc | gttgttcagg | 1020 |
| accacagcga | taatcttctt | agagttgcag | ggacaatggc | acatgaaatg | ggccacaact | 1080 |
| ttggaatgtt | tcatgacgac | tattcttgca | agtgtccttc | tacaatatgt | gtgatggaca | 1140 |
| aagcactgag | cttctatata | cccacagact | tcagttcctg | cagccgtctc | agctatgaca | 1200 |
| agttttttga | agataaatta | tcaaattgcc | tctttaatgc | tccattgcct | acagatatca | 1260 |
| tatccactcc | aatttgtggg | aaccagttgg | tggaaatggg | agaggactgt | gattgtggga | 1320 |
| catctgagga | atgtaccaat | atttgctgtg | atgctaagac | atgtaaaatc | aaagcaactt | 1380 |
| ttcaatgtgc | attaggagaa | tgttgtgaaa | aatgccaat | taaaaaggct | gggatggtgt | 1440 |
| gcagaccagc | aaaagatgag | tgcgacctgc | ctgaaatgtg | taatggtaaa | tctggtaatt | 1500 |
| gtcctgatga | tagattccaa | gtcaatggct | tcccttgcca | tcacgggaag | ggccactgct | 1560 |
| tgatggggac | atgccccaca | gtgcaggagc | agtgcacaga | gctgtgggga | ccaggaactg | 1620 |
| aggttgcaga | taagtcatgt | tacaacagga | atgaagggtg | gtcaaagtac | gggtactgtc | 1680 |
| gcagagtggg | tgacacactc | attccctgca | aagcaaata | taccatgtgt | gggaagtgtg | 1740 |
| tctgtcaagg | tgggtcggat | aatttgcctt | ggaaaggacg | gatagtgact | ttcctgacat | 1800 |
| gtaaaacatt | tgatcctgaa | gacacaagtc | aagaaatagg | catggtggcc | aatggaacta | 1860 |
| agtgtggcga | taacaagggt | tgcattaatg | cagaatgtgt | ggatattgag | aaagcctaca | 1920 |
| aatcaaccaa | ttgctcatct | aagtgc aaag | gacatgctgt | gtgtgaccat | gagctccagt | 1980 |
| gtcaatgtga | ggaaggatgg | atccctcccg | actgcgatga | ctcctcagt | gtcttccact | 2040 |
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| ctggcaccag | gccacacaaa | cagaagagga | aaccccagat | ggtaaaggct | gttcaacccc | 2220 |
| aagagatgag | tcagatgaag | ccccatgtgt | atgatctgcc | agtagaaggc | aatgagcccc | 2280 |
| cagcctcttt | tcataaagac | acaaacgcac | ttccccctac | tgttttcaag | gataatccaa | 2340 |
| tgtctacacc | taaggactca | aatccaaaag | catgaagcaa | cagctaagca | agaactaatg | 2400 |
| gctaaattat | caacttggaa | aactggaaaa | tctggatggc | agagaaatat | actatctcac | 2460 |
| cagtatttgc | tctcgactca | agaaggttaa | cattttctga | ttcatgttag | actttgaaga | 2520 |
| gactaaagaa | aattttcaag | aggaacatat | gcctgagaac | ctttgcatga | atttaaaatt | 2580 |
| tcaattatcc | attcttataa | gaaggaagat | gattgtaaag | aaatatctcc | gaagttaaaa | 2640 |
| tctgtaatat | gaattgattc | attctcta | gaaaacaaaa | cataaaaaaca | tcacactaat | 2700 |
| cttggaggaa | taagaaaaat | tgtacatcca | ttaaatgtac | aattgattgc | aacatcttga | 2760 |
| ttgttttaac | cattaacttg | tcaaattaca | atcacagtta | agaaaatgat | gtaaaattct | 2820 |
| gttttgtgga | tctctttcct | agattagctt | ctgaaatcat | tattagctat | atcatttgag | 2880 |
| gttttctaca | atttgggtata | actaagaatt | taaaaatgtt | ttatcatata | tatttgtata | 2940 |
| attaattact | ggcatgggtta | aagtgggtatt | tcacttttta | aatggagaaa | atttcagtta | 3000 |
| aattaatagg | ataaaccagg | ttgcgaactg | atgacctgta | ggccatgtta | gcactgcaaa | 3060 |
| tatatttggg | ctgaatgata | ttgatattgg | acacatagta | cttttacatg | ttttgaatgt | 3120 |
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<210> 7357

<211> 1438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (264)...(739)

<223> similar to gi2583079 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7357

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| ctgagccgtt | cacttccgcc | accagccgga | agttttctgt | cactggacgc | caaggagttt | 120 |
| tcggtggctc | agctgggtaa | ccggggatca | ccatggcggc | ctcattggtg | gggaagaaga | 180 |
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| agtttccatg | cactttggtg | gcacagaaaa | ttgacctgcc | ggagtaccaa | ggggagccgg | 300 |
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| ttgaggacac | ttgtctgtgc | ttcaatgccc | ttggagggct | ccccggcccc | tacataaagt | 420 |
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| agtcagccta | tgcgctctgc | acgtttgcac | tcagcacccg | ggacccaagc | cagcccgtgc | 540 |
| gcctgttcag | gggccggacc | tcgggccgga | tcgtggcacc | cagaggctgc | caggactttg | 600 |
| gctgggaccc | ctgctttcag | cctgatggat | atgagcagac | gtacgcagag | atgcctaagg | 660 |
| cggagaagaa | cgctgtctcc | catcgcttcc | gggccctgct | ggagctgcag | gagtactttg | 720 |
| gcagtttggc | agcttgactt | ctgcagctgg | aggaggcccc | tcaggccggg | gatctgggga | 780 |
| gggctagccc | aaaacctccc | gcacgggca | ggcaccacct | gaagtacttc | cttcagggtt | 840 |
| tcccccttgt | gaggggtgtg | agtagcctca | ccggcctgtc | tggaggagca | gctggctctg | 900 |
| ctctgagaaa | ctctggcaag | tggacgccat | tctcttgcct | ttaggattca | ctgctctctc | 960 |
| ctacagccgc | caggcctggg | gtcctgaaag | gaccttgggt | ggtaaagctg | tacttgggtg | 1020 |
| gagtgagggc | gtggggagga | accatgcaaa | tcgccttcca | tggtttttaa | atgcagtaaa | 1080 |
| taacattttc | ggatgagact | tgtttccaaa | ataaaccagc | tatatctgtt | ttgaaaaaaa | 1140 |
| aaaaaaagg | ggggcccgtt | ttaaagaacc | cttggggggc | ccaaatttaa | cccgggctgg | 1200 |
| caaggaaaaa | tttttttcc | tatggggggc | ctttttaaac | cctacttggg | aatttttgga | 1260 |
| aagaaccttt | tttttgggg | gggaacatat | tggcccaacc | tccctccaaa | atttaaaggc | 1320 |
| tttagggaaa | aaaaaaattt | ttaaggggaa | aagggggaaa | aacaacctca | atatacctgc | 1380 |
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<210> 7358

<211> 2392

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<222> (92)...(2004)

<223> similar to gi2323410 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7358

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| gaatcccggc | gtggacagcg | cgaggagaaa | gatggcggcg | atggcggctg | ggggtgctgg | 120 |
| tgggagccgc | gtgtccagcg | ggagggacct | gaattgcgtc | cccgaaatag | ctgacacact | 180 |
| aggggctgtg | gccaagcagg | ggtttgattt | cctctgcatt | cctgtcttcc | atccgcgttt | 240 |
| caagaggggg | ttcattcagg | aacctgctaa | gaatcggccc | ggtccccaga | cacgatcaga | 300 |
| cctactgctg | tcaggaagg | actggaatac | gctaattgtg | ggaaagcttt | ctccatggat | 360 |
| tcgtccagac | tcaaaagtgg | agaagattcg | caggaactcc | gaggcggcca | tgttacagga | 420 |
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| taacaccaac | ctggccagag | ttttgaccaa | ccacatccac | actggccatc | actcttccat | 540 |
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| caacttccgg | actttgtgtg | actatagtaa | gaggattgca | gtggctcttg | aaattggggc | 720 |
| tgacctccca | tctaatacat | tcattgatcg | ctggcttggg | gagcccatca | aagcagccat | 780 |

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| ccagaggctc | atcttccggc | tctcaagtt | ggagggtgcag | ttcatcatca | caggcaccaa | 900 |
| ccaccactca | gagaaggagt | tctgtccta | cctccaatac | ctggaatact | taagccagaa | 960 |
| ccgtcctcca | cctaatgcct | atgaactctt | tgccaagggc | tatgaagact | atctgcagtc | 1020 |
| cccgtttcag | ccactgatgg | acaatctgga | atctcagaca | tatgaagtgt | ttgaaaagga | 1080 |
| ccccatcaaa | tactctcagt | accagcaggc | catctataaa | tgtctgctag | accgagtacc | 1140 |
| agaagaggag | aaggatacca | atgtccagg | actgatggtg | ctgggagcag | gacggggacc | 1200 |
| cctggtgaac | gcttccctgc | gggcagccaa | gcaggccgac | cggcggataa | agctgtatgc | 1260 |
| tgtggagaaa | aacccaaatg | ccgtggtgac | gctagagaac | tggcagtttg | aagaatgggg | 1320 |
| aagccaagtg | accgtagtct | catcagacat | gagggaatgg | gtggctccag | agaaagcaga | 1380 |
| catcattgtc | agtgaagctt | tgggtcatt | tgtgacaat | gaattgtcgc | ctgagtgcct | 1440 |
| ggatggagcc | cagcacttcc | taaaagatga | tgggtgtgag | atccccgggg | agtacacttc | 1500 |
| ctttctggct | cccatctctt | cctccaagct | gtacaatgag | gtccgagcct | gtagggagaa | 1560 |
| ggaccgtgac | cctgaggccc | agtttgagat | gccttatgtg | gtacggctgc | acaacttcca | 1620 |
| ccagctctct | gcaccccagc | cctgtttcac | cttcagccat | cccaacagag | atcctatgat | 1680 |
| tgacaacaac | cgctattgca | cettggaatt | tcctgtggag | gtgaacacag | tactacatgg | 1740 |
| ctttgccggc | tactttgaga | ctgtgcttta | tcaggacatc | actctgagta | tccgtccaga | 1800 |
| gactcactct | cctgggatgt | tctcatgggt | tcccatcctc | ttccctatta | agcagcccat | 1860 |
| aacggtacgt | gaaggccaaa | ccatctgtgt | gcgtttctgg | cgatgcagca | attccaagaa | 1920 |
| ggtgtggtat | gagtgggctg | tgacagcacc | agtctgttct | gctattcata | acccacagg | 1980 |
| ccgtcctat | accattggcc | tctagccctg | cgtgccaa | gtccagagcc | ttggaagcag | 2040 |
| cttcagggtc | tgtcctgtga | gtacagaagg | tgcagtacat | ctatgggctg | tgattcccct | 2100 |
| tgcccatcag | agaggagcat | ttcaatctgc | tttctgcct | tacatcaagg | tgggcaaggg | 2160 |
| attataatta | attgcagggc | tcaagccacc | aatctatgaa | gacctcaggc | cagggggtga | 2220 |
| ggaattagtg | ctggatttga | agctacgcac | tcagcctcaa | gaactccctg | gaatatccct | 2280 |
| gagaacatgg | ggtttgaacg | gattttcagc | ctttttctgt | tcttgttttg | atgggtttgt | 2340 |
| gtaagaggaa | atacaataa | agttatagcc | ctttactgca | cgaaaaaaaa | aa | 2392 |

<210> 7359

<211> 1430

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (36)...(986)

<223> similar to gill100182 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7359

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| atctggtaaa | gctcccatcc | tgccctgacc | ctgccatggg | caccagcctc | ctctgctgga | 60 |
| tggccctgtg | tctcctgggg | gcagatcacg | cagatactgg | agtctcccag | aaccccagac | 120 |
| acaagatcac | aaagagggga | cagaatgtaa | ctttcaggtg | tgatccaatt | tctgaacaca | 180 |
| accgccttta | ttggtaccga | cagaccctgg | ggcagggccc | agagtttctg | acttacttcc | 240 |
| agaatgaagc | tcaactagaa | aaatcaaggc | tgctcagtga | tcggttctct | gcagagaggc | 300 |
| ctaagggatc | tttctccacc | ttggagatcc | agcgcacaga | gcagggggac | tcggccatgt | 360 |
| atctctgtgc | cagcaccaaa | cggctaggac | ggttgagctc | ctacaatgag | cagtattttg | 420 |
| gccagggcac | ccggctgaca | gtgctcgagg | acctgaaaaa | cgtgttccca | cccagggctg | 480 |
| ctgtgtttga | gccatcagaa | gcagagatct | cccacacca | aaaggccaca | ctggtgtgcc | 540 |
| tggccacagg | cttctacccc | gaccacgtgg | agctgagctg | gtgggtgaat | gggaaggagg | 600 |

| | | | | | | |
|------------|------------|-------------|-------------|------------|------------|------|
| tgcacagtgg | ggtcagcaca | gacccgcagc | ccctcaagga | gcagcccgcc | ctcaatgact | 660 |
| ccagatactg | cctgagcagc | cgccctgaggg | tctcggccac | cttctggcag | aacccccgca | 720 |
| accacttccg | ctgtcaagtc | cagttctacg | ggctctcgga | gaatgacgag | tggacccagg | 780 |
| atagggccaa | acctgtcacc | cagatcgtea | gcgcgagggc | ctggggtaga | gcagactgtg | 840 |
| gcttcacctc | cgagtcttac | cagcaagggg | tcctgtctgc | caccatcctc | tatgagatct | 900 |
| tgctagggaa | ggccaccttg | tatgccgtgc | tggtcagtgc | cctcgtgctg | atggccatgg | 960 |
| tcaagagaaa | ggattccaga | ggctagctcc | aaaaccatcc | caggtcattc | ttcatcctca | 1020 |
| cccaggattc | tcctgtacct | gctcccaatc | tgtgttcccta | aaagtgattc | tcactctgct | 1080 |
| tctcatctcc | tacttacatg | aatacttctc | tcttttttct | gtttccctga | agattgagct | 1140 |
| cccaaccccc | aagtacgaaa | taggctaaac | caataaaaaa | ttgtgtgttg | ggcctgggtg | 1200 |
| catttcagga | gtgtctgtgg | agttctgctc | atcactgacc | tatcttctga | tttagggaaa | 1260 |
| gcagcattcc | cttggacatc | tgaagtgaca | gccctcttcc | tctccacca | atgctgcttt | 1320 |
| ctcctgttca | tcctgatgga | agtcctcaaa | caccatttcc | ataccagggc | attctgggtc | 1380 |
| cccactggag | ggttagtctg | aagggcaatg | gctgggcttt | ggaaaaccag | | 1430 |

<210> 7360

<211> 2305

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2154)...(689)

<223> similar to gi5052315 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7360

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|------|
| tttttttttt | ttctttcaaa | caagacaggc | tttattttaga | tcaccaaaaa | taacattttta | 60 |
| cagaaaggga | accataacat | tacacaacaa | agtatagctg | taaaatctca | aataagaaag | 120 |
| gcaatgcttt | ctttagatca | ccaaaaataa | tgtttcacag | agaggggaacc | gttagaagca | 180 |
| aatgcatagc | tgcaaatttt | cttttgccat | caatatcgat | tcctctctaaa | atactttgag | 240 |
| actactttgt | ggtttccgag | tacaaactaa | accttttttg | acagagttgc | tcggcttcat | 300 |
| caaaaaaata | aaaccaatth | gcaaaaaaaa | atttgtttaa | tgctaacaaa | taaagagaca | 360 |
| atgtggttct | tgctaactaa | ctgcaatgtc | tactgaaatg | gcctaacctta | ttccacgaat | 420 |
| atttcactgt | gaacatagtt | gctttttcct | tgccatcaca | gatggcctgc | aaagtaacaa | 480 |
| gtgtcgtgtc | agagcacttt | caggcaccca | gggaatcatt | cctaacagaa | taactgcagt | 540 |
| atgtgggcaa | ctcaaacac | agagccccaa | gggtgggcatt | gtgtttgcgc | tgtgggtaaa | 600 |
| gaccaccac | cttgttagtt | attcacctgg | aaccagagc | gccaaactag | acagagcagt | 660 |
| tgctcttaca | gaaccaacaa | cattttaata | aattgcccgg | gggttcttgg | tgctgtaatg | 720 |
| tgctctcacg | gcagcgacat | aagccgactc | tggaagaag | tcacgtggtt | attctgctaa | 780 |
| aaacctcaaa | aagagatcaa | agtgttcaa | taaagccttc | agattcttct | cagaaaagga | 840 |
| catctttcca | aggattttctg | gaagtttcac | aaacaatcgc | agcaaatgtt | gtgccccata | 900 |
| aatgtaagag | gggtgaggcg | gctggtcacc | tggggggtaa | ttgtcaggca | caagcttcca | 960 |
| ggagaggacc | tgtttttttt | cattagttct | tctcccttca | aagccagcaa | acacgacact | 1020 |
| cccttctctg | ctaggagtca | gaggaatagg | tgaagatgat | ctgctatgca | cagggtctct | 1080 |
| cttttccagg | tgcaagaa | gcttgggcatt | gctggcggat | gtgtcctgct | gccggcgctt | 1140 |
| gggctgaggt | gaagcgctgc | tctcagaaag | cctgtcacag | ttggcactgt | ggcgctgga | 1200 |
| ccgcctcaga | gactgcaatg | cttctggctc | agctttgcgc | cttttggggg | tggctgggtc | 1260 |
| accggtggtc | ggctgactct | ctgtggactg | tggcgtggat | ggattcaaca | aaggcggact | 1320 |
| gggagagagt | tcctcctggc | tcctgttagt | gcttgtggca | ctttccttaa | ttggaagaaa | 1380 |

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|------|
| aaatttagac | gaagtcacct | ttttatactg | agcttggtca | tatggataga | gtaaaaccaa | 1440 |
| cgggagagtg | taatcaaagg | ttattcttaa | tccatccacc | atctccttac | aaaggtaaac | 1500 |
| attcttttct | gctgggatat | aatgcacgtt | catgttgcca | tgtggcataa | cgtgatgggtg | 1560 |
| acgaggcctc | tcattggctg | aaaaggctgc | attgatagca | aaatgcttca | cataggattc | 1620 |
| caaaatcggt | atgatgttgg | tctggcatgg | aagtttcaact | aaccgtttcc | tcctgttaat | 1680 |
| gtagtaacaa | tcatectcca | gctgcttctt | cagaacttca | gggatttcta | tagttattgt | 1740 |
| tctttcttcc | atttcccttc | ttgtttgaag | ctctggttct | tctttcaactt | cagtcttttc | 1800 |
| ttcaatatca | ctttcttcac | ttatttcttc | atccttggtt | tcactacagt | cagagggaact | 1860 |
| gcttaatgag | ttttcatcat | tttcatcttt | ttcttcagtg | gggaggcctt | ttaagacaga | 1920 |
| gtccacacca | ggcaacctgc | agcgcttctt | ctttcttctt | gtgctcctca | ggcgagctac | 1980 |
| agcttttctt | gccaatttac | gctgtaatct | acgattttca | tcggtatcac | gaagcacatg | 2040 |
| atcttctgct | gcccattctat | cccagcttct | gttccaacca | ttaaaatgga | tcagatatct | 2100 |
| tgggatcttt | ctgccttttt | cgtcttttccc | aacaataaca | tcaacaatct | gaaaacgaaga | 2160 |
| aatatttccc | acaaatggca | gaacatacag | aaaattagaa | gttagatcag | gaaaactaat | 2220 |
| tcacagaccc | ttttttaaag | aaagcattct | ctcctctttt | agaccgacag | ccgggttgaa | 2280 |
| atatttttcc | tttcatcttc | gtgcc | | | | 2305 |

<210> 7361

<211> 2425

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (139)...(530)

<223> similar to gi2196870 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7361

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|------|
| tttcgtggaa | gaggcggcgg | cggcggcaga | agcggcggcg | gcggcggcgg | cgggagccga | 60 |
| ggaggaggtt | ccggacgctg | cttaggaacc | ggggactcag | gagtgcccg | gccctgagcg | 120 |
| ctcagctcca | gaggcgcat | ggctgagtag | gggacctcc | tgcaagacct | gaccaacaac | 180 |
| atcacccttg | aagatctaga | acagctcaag | tggcctgca | aggaagacat | ccccagcgaa | 240 |
| aagagtgagg | agatcactac | tggcagtgcc | tggtttagct | tcctggagag | ccacaacaag | 300 |
| ctggacaaag | acaacctctc | ctacattgag | cacatctttg | agatctccc | ccgtcctgac | 360 |
| ctactcacta | tgggtggtga | ctacagaacc | cgtgtgctga | agatctctga | ggaggatgag | 420 |
| ctggacacca | agctaaccgg | tatccccagt | gccaagaagt | acaaagacat | tatccggcag | 480 |
| ccctctgagg | aagagatcat | caaattggct | ccccaccga | agaaggcctg | agcaaggggg | 540 |
| aggaagagga | ggaaggttgg | accttcatca | gaccactccc | ttcccccatc | ctccaggaga | 600 |
| gggggcaagg | gcaaccacc | atctaccac | ttactaacct | ggtcctaacc | cccttactgt | 660 |
| gcgcgtgtgt | gtgcgtgtgc | gcacgctctg | gctgtttgtc | tatatgtcta | gctcatctag | 720 |
| ttcctcttct | taaggggatg | ggggtcaggg | gctaggggag | ggggctgagt | ttccccactt | 780 |
| taggaggagg | tgggggctat | ttctatgcaa | atagaaatca | gcacattcct | cctacttccc | 840 |
| tttctccac | tcccccata | tctttaaagt | gtggaagcag | aaaggacctg | cattttccta | 900 |
| cattgaggag | ctgacatagg | ggtaaggtat | gggagaggta | ggtggatcca | gggaaaagca | 960 |
| gtggggacgg | aaggcaaaga | gaccactcaa | ccccaccctg | gaaggggcaa | agaaaagcca | 1020 |
| gagttccatg | tttgtagtcc | tgtgctggac | tgtttcctga | gtaccagcag | gtcccttttt | 1080 |
| gtctctcatg | ggcctagcat | aggtatgagc | cagggatcct | ttcctgggtcc | ctaagatcaa | 1140 |
| accccatgga | gcagccagcg | ttagatgccc | ccaccacct | gtactctgga | gagagtgtgc | 1200 |
| tgggaacatg | taccactgag | cctgagatgg | ggatgagggc | agagagaggg | gagccccctc | 1260 |

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|------|
| ttccactcag | ttgttcctac | tcagactggt | gcactctaaa | cctagggagg | ttgaagaatg | 1320 |
| agacccttag | gttttaacac | gaatcctgac | accaccatct | ataggggtccc | aacttggtta | 1380 |
| ttgtaggcaa | ccttccctct | ctccttggtg | aagaacatcc | caagccagaa | agaagttaac | 1440 |
| tacagtgttt | tcctttgcac | cgatccccac | cccaattcaa | tcccgggaagg | gacttactta | 1500 |
| ggaaaccctt | ctttactaga | tatcctggcc | ccctgggctt | gtgaacacct | cctagccaca | 1560 |
| tcactacagt | acagtgagtg | accccagcct | cctgcctacc | ccaagatgcc | cctccccacc | 1620 |
| ctgaccgtgc | taactgtgtg | tacatatata | ttctacatat | atgtatatta | aaactgcact | 1680 |
| gccatgtctg | cccttttttg | tggtgtctag | cattaactta | ttgtctaggc | cagagcgggg | 1740 |
| gtgggagggg | aatgccacag | tgaaggagtg | ggcagaatca | aattgctaca | tagtccaaac | 1800 |
| aaaaaagaag | gctttttcaa | aaaacattaa | attcacatgc | agtctcagag | actatttaga | 1860 |
| caaagttcaa | gttaggagct | tttaggatgt | gggagtaaaa | ctttaatggg | aggggagggc | 1920 |
| tggtctgtgg | aagaaggaag | aagccagact | ggtagacag | tactcttaac | tcctagccca | 1980 |
| gcctagcgtg | ccctgcccct | ctggccactg | ctgcagacac | ctgccttaac | acacacacct | 2040 |
| ctaggactcc | acagttttgc | cttaaaggac | cttcccaagt | ctccctttcc | ctgtctggct | 2100 |
| tctcccttaa | gaagagagag | atacttgtag | aattgggtgg | ggggaatgag | catgaactgt | 2160 |
| ccttccattt | gggatattgt | acattagagt | gagagagaga | ataaggagcc | tttcttatgg | 2220 |
| aagaaatggg | agaagagaga | cagggttctt | ttcagcagag | tctagtagtt | tctctgtaag | 2280 |
| gcaaaataat | ctaaaaagac | taacctgccc | accactcct | tatattgctg | tgagattgcc | 2340 |
| cctatcttgt | gctcttctgt | ctgcagtgtg | cacggccttg | ttctaaccog | gaataaaggt | 2400 |
| gattgattgt | attgcaaaaa | aaaaa | | | | 2425 |

<210> 7362

<211> 791

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (28)...(408)

<223> similar to gi3255999 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7362

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-----|
| aacagtgttc | taactattaa | cgctacgatg | cctgaaccta | ccaagtctgc | tcctgccccca | 60 |
| aagaagggtc | ccaagaaggc | ggtgactaag | gctcagaaga | aggacgggaa | gaagcgcaag | 120 |
| cgcagccgca | aggagagcta | ttcagtgtat | gtgtacaagg | tgctgaagca | ggtccatccc | 180 |
| gacaccggca | tctcttccaa | ggcaatgggg | atcatgaatt | ccttcgtcaa | cgacatcttc | 240 |
| gagcgcatcg | caggcgaggc | ttcccgcctg | gcgcattaca | acaagcgctc | gaccatcacc | 300 |
| tccagggaga | tccagacggc | cgtgcgcctg | ctgcttcctg | gggagctggc | caagcacgcc | 360 |
| gtgtcggagg | gcaccaaggc | cgtcaccaag | tacaccagtt | ccaagtaact | ttgccaaggg | 420 |
| agagacatga | agacagagga | gaaatgaatg | cataaaataa | ctgacaatat | gaatctatac | 480 |
| atagaactta | ggaagtctca | tctgcctgaa | aatgactgtg | tggatcccac | ccaaatccaa | 540 |
| ctcatcctgg | tttgtctcac | actggttcat | caaaagaagg | ttaccgaggg | gaaggaacta | 600 |
| aagggtgttg | cacttcatgt | tactttttga | gtttataaac | ataaaaacca | gaatttacty | 660 |
| tctgttacag | acctagttac | tgggaattca | ttacttgcca | tggactacct | ttgctaagaa | 720 |
| aagtctgaat | gagaagatgg | caggacgtct | gaaaaaaaaa | gttataatta | ataaaatctg | 780 |
| cggagaattg | t | | | | | 791 |

<210> 7363
 <211> 2352
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2353)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (173)...(1928)
 <223> similar to gil83002 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7363

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| aaaggggtgct | taactttctaa | ttattttgac | actgaggaaa | atccagaaag | ctacacaaca | 60 |
| ctgaaggggt | gaaataaaaag | tccagcgatc | cagcgaaaaga | aaagagaagt | gacagaaaca | 120 |
| actttacctg | gactgaagat | aaaagcacag | acaagagaac | aatgccctgg | acatggctcc | 180 |
| agagatccac | atgacaggcc | caatgtgcct | cattgagaac | actaatgggg | aactgggtggc | 240 |
| gaatccagaa | gctctgaaaa | tectgtctgc | cattacacag | cctgtgggtgg | tggtggcaat | 300 |
| tgtgggcctc | taccgcacag | gaaaatccta | cctgatgaac | aagctagctg | ggaagaataa | 360 |
| gggcttctct | ctgggctcca | cagtgaatc | tcacaccaa | ggaatctgga | tgtggtgtgt | 420 |
| gcctcacccc | aaaaagccag | aacacacctt | agtccctgctt | gacactgagg | gcctgggaga | 480 |
| tgtaaagaag | ggtgacaacc | agaatgactc | ctggatcttc | accctggccg | tcctcctgag | 540 |
| cagcactctc | gtgtacaata | gcatgggaac | catcaaccag | caggctatgg | accaactgta | 600 |
| ctatgtgaca | gagctgacac | atcgaatccg | atcaaaatcc | tcacctgatg | agaatgagaa | 660 |
| tgaggattca | gctgactttg | tgagcttctt | cccagatttt | gtgtggacac | tgagagattt | 720 |
| ctccctggac | ttggaagcag | atggacaacc | cctcacacca | gatgagtacc | tggagtattc | 780 |
| cctgaagcta | acgcaaggta | ccagtcaaaa | agataaaaat | tttaatctgc | cccgactctg | 840 |
| tatccggaag | ttcttcccaa | agaaaaaatg | ttttgtcttc | gatctgcccc | ttcaccgcag | 900 |
| gaagcttgcc | cagcttgaga | aactacaaga | tgaagagctg | gaccctgaat | ttgtgcaaca | 960 |
| agtagcagac | ttctgttctt | acatcttttag | caattccaaa | actaaaactc | tttcaggagg | 1020 |
| catcaaggtc | aatgggcctc | gtctagagag | cctagtgtctg | acctatatca | atgctatcag | 1080 |
| cagaggggat | ctgccttgca | tggaagacgc | agtccctggc | ttggcccaga | tagagaactc | 1140 |
| agccgcagt | caaaaggcta | ttgcccacta | tgaccagcag | atggggccaga | aggtgcagct | 1200 |
| gcccgcagaa | accctccagg | agctgctgga | cctgcacagg | gttagtgaga | gggaggccac | 1260 |
| tgaagtctat | atgaagaact | ctttcaagga | tgtggaccat | ctgtttcaaa | agaaattagc | 1320 |
| ggcccagcta | gacaaaaagc | gggatgactt | ttgtaaacag | aatcaagaag | catcatcaga | 1380 |
| tcgttgctca | gctttacttc | aggtcatttt | cagtcctcta | gaagaagaag | tgaaggcggg | 1440 |
| aattttattcg | aaaccagggg | gctattgtct | ctttattcag | aagctacaag | acctggagaa | 1500 |
| aaagtactat | gaggaaccaa | ggaaggggat | acaggctgaa | gagattctgc | agacatactt | 1560 |
| gaaatccaag | gagtcgtgtg | ccgatgcaat | tctacagaca | gaccagattc | tcacagaaaa | 1620 |
| ggaaaaggag | attgaagtgg | aatgtgtaaa | agctgaatct | gcacaggctt | cagcaaaaaat | 1680 |
| ggtggaggaa | atgcaaataa | agtatcagca | gatgatggaa | gagaaagaga | agagttatca | 1740 |
| agaacatgtg | aaacaattga | ctgagaagat | ggagagggag | agggcccagt | tgctggaaga | 1800 |
| gcaagagaag | accctcacta | gtaaacttca | ggaacaggcc | cgagtactaa | aggagagatg | 1860 |
| ccaaggtgaa | agtacccaac | ttcaaaatga | gatacaaaag | ctacagaaga | ccctgaaaaa | 1920 |
| aaaaaccaag | agatatatgt | cgcataagct | aaagatctaa | acaacagagc | ttttctgtca | 1980 |
| tcctaaccce | aggcataact | gaaacaattt | tagaatttgg | aacaagtgtc | actatatattg | 2040 |
| ataataatta | gatcttgcac | cataacacta | aaagtttaca | agaacatgca | gttcaatgat | 2100 |

| | | | | | | |
|------------|-------------|------------|------------|-------------|------------|------|
| caaaatcatg | ttttttcctt | aaaaagattg | taaattgtgc | aacaaagatg | catttacctc | 2160 |
| tgtaccaaca | gaggagggat | catgagttgc | cgccactcag | aagttttattc | ttccagacga | 2220 |
| ccagtggata | ctaaggaaaag | tcttaggtaa | aaatcttggg | acatatttgg | gcactggttt | 2280 |
| ggccaagtgt | acaatgggtc | ccaatatcaa | aaacaacat | cctagcttcc | tagggaagac | 2340 |
| agngtacagt | tc | | | | | 2352 |

```

<210> 7364
<211> 5078
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (57)...(2603)
<223> similar to gi3327114 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|------------|------|
| <400> 7364 | | | | | | |
| cgggctgacc | cacgcgtccg | gatgaaccta | aacattttaa | atgtgaaatg | aaaggaggaa | 60 |
| aaacagtaca | gatggggcca | gagcttcaag | gagaagtagt | tataataatt | acggatcagt | 120 |
| acggaaatca | gattcaagca | ttttcaccaa | gttctttatc | ttctttgtca | attgctgggg | 180 |
| ttggacttga | tagctcaa | ttgaaaacaa | cttttcagga | aaacacacag | agtataagtg | 240 |
| taagaggcat | caaattttatt | ccagggtcctc | ctggaaataa | ggatctttgt | tttacttggc | 300 |
| gtgagttttc | tgacttttatt | cgagtgcac | taattttctgg | acctcctgct | aaacttctcc | 360 |
| ttatagactg | gccagaacta | aaggagtcca | ttccagtgat | taatggaaga | gatttacaga | 420 |
| acctatttat | tgttcaactt | tgtgatcagt | gggataatcc | agcaccggta | caacatgtta | 480 |
| aaataagtct | tacaaaagct | agcaatttaa | agctcatgcc | ttcaaaccac | cagcataaaa | 540 |
| cagatgagaa | aggcagggct | aatttgggag | tattcagtg | ttttgcccct | aggggagagc | 600 |
| atactcttca | ggttaaagcc | atctataaca | aaagtatcat | agaaggacct | ataattaagt | 660 |
| taatgattct | tccagaccca | gaaaaacccg | ttcgtctcaa | tgttaaatat | gacaaagatg | 720 |
| catccttctt | agcagggggg | cttttcaactg | attttatgat | tagtggtatt | tctgaagatg | 780 |
| acagtatcat | taaaaacatt | aatccagcac | gtattttccat | gaaaatgtgg | aagctgtcta | 840 |
| ccagtgggaa | ccgaccccca | gcaaatgcag | aaacatttag | ttgtaataaa | ataaaagata | 900 |
| atgacaaaga | agatggctgc | ttctattttca | gggataaagt | aatttcctaat | aaagtgggga | 960 |
| catattgtat | ccagtttggg | tttatgatgg | ataaaacaaa | tattctcaac | agtgaacagg | 1020 |
| ttatagttga | agtcttgcc | aatcaacctg | tgaagttagt | acctaaaatt | aaaccacctc | 1080 |
| caccagctgt | ttcaaatgtt | cgctcagttg | ccagtaggac | cttggtcaga | gatctacatc | 1140 |
| ttagtatcac | ggatgactac | gacaaccata | ctggaattga | tttggttggc | actataatag | 1200 |
| ccaccattaa | aggctcta | gaggaagata | ctgatcccc | actttttatt | gggaaagtta | 1260 |
| gaacacttga | attccccttc | gtgaatgggt | cggctgaaat | catgagctcg | gtgctggcag | 1320 |
| aaagtagtcc | tgggaaggat | agtactgaat | attttattgt | atttgagccc | cggctaccac | 1380 |
| ttttatcaag | aaccttagaa | ccatatatcc | taccgttcat | gttttacaat | gatgttaaga | 1440 |
| agcagcaaca | aatggcagca | cttacaaaag | aaaaggacca | attatctcag | tctattgtta | 1500 |
| tgtataaaag | tttatttgaa | gccagccaac | agcttcttaa | tgaaatgaaa | tgtcaagttg | 1560 |
| aagaagcaag | attaaaagag | gccaatttgc | gaaatgaact | aaaaatacat | aatattgaca | 1620 |
| ttcctacaac | acaacaggtg | ccacacattg | aagcacttct | gaaaagaaaag | ctatcagaac | 1680 |
| aagaagaact | gaagaaaaaa | cctagaagat | cgtgtactct | tccaaactat | actaaaggca | 1740 |
| gtggagatgt | tttgggaaag | attgcacatc | tagcacaaat | tgaagatgat | agagctgcga | 1800 |
| tggttatttc | ttggcatctg | gcaagtgaca | tggactgtgt | agtcacccta | accactgacg | 1860 |
| ctgcacgtcg | tatctatgat | gaaacccaag | gtcgtcagca | ggtgttgccc | cttgattcta | 1920 |

| | | | | | | |
|------------|-------------|------------|------------|-------------|-------------|------|
| tttacaagaa | gactcttcca | gattggaaaa | gatctctacc | tcatttccga | aatggaaaat | 1980 |
| tgtattttta | acccattgga | gatccagctc | ttgctcgaga | cttggttaaca | tttccagata | 2040 |
| atgtagaaca | ttgtgaaaca | gtatttggtg | tgctggttag | agacaccatt | attttggata | 2100 |
| atctggatgc | ggccaatcat | tatagaaaag | agggttgtaa | aattacacac | tgctctacac | 2160 |
| tgctgaccag | agatggagat | cgaattcgaa | gtaatggaaa | gtttgggggc | cttcagaata | 2220 |
| aagctcctcc | aatggataaa | cttcggggaa | tggtatttgg | agctccagtt | ccaaaacagt | 2280 |
| gtctgatctt | aggggaacaa | atagatcttc | ttcagcagta | tcgttctgct | gtgtgcaaac | 2340 |
| tagacagtgt | gaataaggat | cttaacagtc | aattagagta | ccttcgcact | ccggatatga | 2400 |
| ggaagaaaaa | gcaagaactt | gatgaacatg | agaaaaatct | caaaactaata | gaggaaaaac | 2460 |
| taggtatgac | tcccatacgt | aagtgtaatg | actcattgct | tcattcacca | aaggttgaga | 2520 |
| cgacagattg | tccagttcct | cctaaaagaa | tgagacgaga | agctacaaga | caaaatagga | 2580 |
| ttataacca | aacagatgta | tgagaggtga | cagagagaag | aggccattgg | tctcagtaag | 2640 |
| aatgccttgc | tttctgcctc | tctgtttcag | aagaccaaga | gggtgactta | ccagactgag | 2700 |
| tatttctggg | gacaatacaa | gtacctgggc | atgaatttcc | atttcgattc | agatgggact | 2760 |
| ggaaacaacc | attcaatttt | atgaatctta | ctggacatta | tggttttact | ggaattatct | 2820 |
| cagacattat | gccctttggt | tgctactacc | ttgcaaagt | gtaagaggaa | aatgtgctaa | 2880 |
| tggtggcagt | actgtaaaac | tgccacatgg | catttattaa | tctgaagaa | aagtacatgt | 2940 |
| actatttttc | agtataaata | taatgaacat | gtcagaacta | tttcttgaaa | acctttttat | 3000 |
| tacttttgct | tgaattttat | taacaaagat | gttttgtctt | ttgtgtaagg | gaggttctag | 3060 |
| aggctagatg | tttaattgta | aatatgtgag | gaaactcaat | gcagaattca | ggataaaaaat | 3120 |
| tttaaaagca | cagggtattt | ggaattgaaa | tgtaagata | cccagaacaa | cattaaatca | 3180 |
| atgagtgaac | ttgtgacagt | ggtagcattt | caaatttcaa | aagacttatc | ctgtgtgtgt | 3240 |
| gtgtgtgtgt | atatatatat | atatatatat | aaatatatat | atataaaata | ttcagcagca | 3300 |
| ccaagtttta | taactattgt | ttgtttgact | ttaattaata | ctagaatatg | tagtctcaag | 3360 |
| ccttaatttt | acattttacat | tattttgtaa | ttttttatta | ctatttttaa | gggggttaaag | 3420 |
| agaacataca | ttctcacatt | agtgtacttt | ctggtagaaa | gttgctgcaa | aaacatttga | 3480 |
| aatgtatat | aacctaatgt | atgtcatata | tatgtctttg | tgtaagttca | agactattga | 3540 |
| tctgtgaagt | tattttgtaa | ggacatacat | ttggtaagta | agtttgtgtc | ccaggaaaatg | 3600 |
| tatgtgtttt | taaacccttt | ctaaatatgc | aggccattaa | taaataagat | tgtttctctc | 3660 |
| ctactgaata | gataagtgtt | tttctttttt | aaaattggaa | gcttcataaa | agtttatcttg | 3720 |
| ttaaaaaacg | atgatgatgt | taacctatct | ttataattgg | aaattattta | aactgtttgt | 3780 |
| tgttacagaa | gaaacaaaat | ggtaattaca | gaattagctg | tggggaagat | tggtctcccat | 3840 |
| ggtactacag | gttgagtatc | ccttattcaa | aatggttggg | acctgaagtg | ttttggattt | 3900 |
| tggttttttg | tggtgttttt | aaattattat | tttggaatat | ttgcattata | tttaccattt | 3960 |
| tagcatccct | aatccaaaaa | tctttcatta | gaaattggaa | atgcttcaat | gagcatttcc | 4020 |
| cttatgtgtc | atatctgcgc | tcaaatgttt | tgaattttgg | aacatttctt | gtttctgact | 4080 |
| tttagattag | ggatactcac | cccgtaccaa | tatttggagt | ccttagacat | tagattatat | 4140 |
| gaaaatgatt | gattgatagg | taagaaagg | ttaagagaaa | taacttttta | ggaactagac | 4200 |
| ttgaacgtat | aattaatatg | tggaactagt | ttgcttttat | aattcattgt | atcaagaagg | 4260 |
| agtcagtgtt | taaatccaag | gcattgagac | tatctagaag | caaaaaagtt | ggttttaaaa | 4320 |
| attcttttta | ttagaagtgt | gtttaaaaac | atgtcttttt | ttcccttgag | cgacagtggc | 4380 |
| ctcactacat | tgcccaggct | agtcttgaac | tcctgggttc | aagcagtctt | cctgccttgg | 4440 |
| cctcctaagt | agcagggatt | acaggcatgc | acccacatgc | caatttttat | tgcttaaaat | 4500 |
| ggcgagttct | atggatatta | tctagcccca | agcccatatc | tgtacacttt | tgttcatttt | 4560 |
| ataataccag | aaagaatgtt | ctatcagtaa | aagaaggttt | taagtatgaa | tctccatttt | 4620 |
| tgtggagtgt | ttctaccctg | taaaaattaa | ctttgtgggt | ccagtaatt | acagtaagga | 4680 |
| gtttttctat | attttcacag | ttggatttat | ctaaggatat | ttctcagcat | attaaggaat | 4740 |
| ccttttctac | atttgcagaa | atactgaggt | tcatgttgta | ccaaataata | ataaattgct | 4800 |
| tttgtgttta | atatgtaaca | cgtaagaaca | attgaaattt | tcttctaaga | tttaactacta | 4860 |
| gtcttttagt | ataaaggaat | gtaactggag | aaaaaaatta | atgctacagc | ccatttatcc | 4920 |
| tgtgttatgt | gttatataat | ctgaaatttg | tcacaatgtt | acaatcagga | agtttttttt | 4980 |
| ctggtttctt | cttccaaagg | aaaataatag | cctacttgta | tatttgaagt | aactgaaata | 5040 |
| aaactctcta | cgagcacttt | ttgcataaaa | aaaaaaaaa | | | 5078 |

<210> 7365
 <211> 1803
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (333)...(1422)
 <223> similar to gil314316 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7365
accctccaa atctcatgtt gaaatttaat cctcagtgtt ggaggtaggg cctaattggg 60
ggtgtttggg tcatgggggc agaccctca tgaatagatt aatgtcctcc ctggagagt 120
agagtgactg agttctcact ctgttctttc ctgagaaagc tgattgttaa aaagatcctg 180
gcatctccct tctctctctt acttcctctc tcaccatgtg atctctgcat acactggctc 240
cccttctcct tctgccatga gtggaagcag cctgaggctc tcatcagaag cagatgctgg 300
tgccatgctt cttgtacagt ctgcagaacc ggaaaccatc tttgtatggc agcctgactt 360
gtcaaggaat tggcctagat ggcacccag aggttacagc ttcagaagga tttactgtga 420
atgaaataaa caagaaaagc attcatatth catgtccaaa ggaaaatgca tcttctaagt 480
ttttggcacc atatactact ttttccagaa ttcatacaaa gagtataaca tgcctggaca 540
tttcagcag aggaggtctt ggtgtgtctt ctagtactga cgggaccatg aaaatctggc 600
aggcttccaa tggagaactc aggagagtat tgggaaggaca tgtgtttgat gtgaattgtt 660
gcaggttttt cccatcaggc cttgtggtcc tgagtggggg aatggatgcc cagctgaaga 720
tatggtcagc tgaagatgct agctgcgtgg tgaccttcaa aggtcacaaa ggaggtatcc 780
tggatacagc catcgttgat cgggggagga atgtggtgtc tgcttctcga gatgggacag 840
cacgactttg ggattgtggg cgctcagcct gcttgggagt ccttgcatat tgtggttctt 900
ctatcaatgg agtggcgggtg ggtgctgctg acaactccat aaaccttggc tccctgagc 960
agatgcccag tgaacgggag gttggaacag aggccaaaat gctgctcttg gcccggaag 1020
ataagaaact tcagtgttg ggactacaga gcaggcagct ggtgttcctc tttattggct 1080
cagacgcttt caactgctgt acttttctct ctggcttctt gctattggct gggactcaag 1140
atggaaacat ttatcagctg gatgtgagga gtccaagggc tccggtacaa gtcattccaca 1200
gatcaggagc accagtctta tccctgctaa gtgtcagaga tggattcatt gctagccaag 1260
gtgatggaag ctgttttatt gtccagcaag acttagacta tgtcactgag ctactgggg 1320
ctgactgtga ccctgtgtac aaggtagcca catgggagaa gcagatctac acatgctgtc 1380
gagacgggtc tgtacgacgc taccagcttt ctgacctctg acttcttgga aagagcagtc 1440
ccggttagtg aaaagggttg accctgatca acaatgagca gaaacatcat cagtccttcc 1500
caaggaccat ggcgtttaat gtcttgggca ccccttgga atcacagaaa gtcagctgta 1560
ctggccgtgt ggaactctca tcccaagacc tactttgaac tgagtaagaa ggtcattgtg 1620
cccactgcat ttgttccaac ttctccttgt ataaactcac cccagcaaca cagggaagg 1680
atatagatgc ttttagtttg ttcttaaac agttttgtta aatgtttaca aggacctcag 1740
tactaaagcc tgttctctgg aggaaataaa gaaaatatgt ttggaggtgc ctgaaaaaaa 1800
aaa
1803

```

<210> 7366
 <211> 1831
 <212> DNA
 <213> Homo sapiens


```

<220>
<221> misc_feature
<222> (1)...(1832)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1716)...(812)
<223> similar to gi2765075 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7366
ttttttttttt ttcgttttaa attagaaaca acgttttattg tttatttgtgt aaaatagtga      60
gcgtcttcan  tgagaaaaga gtatgtaaaa agggccttcc tacaccctgg gctttctcac      120
ggtatcccag  cagacgtggg actgtcctca ctgtgttagga gggaaagttc tccccctgct      180
cccagaaaat  taggtactc  cagttttact tttgattatt tgcaggcata aaaaaaaaaa      240
aatcaaaatc  caacgattaa cagtctatct cctcctaggc atatatgctc aatccacttg      300
gacacagagg  tgggcctcaa gtccatatcc acatgtacag cccaggatta gatggcaccc      360
tggaatcaa  atgggtattc ctggctaggg actgaagaag atctcagctc ctggtgatct      420
ggttgaaaat  atgcacagtg cctccagtga gaacctgaga ttctctcttt aatgaggaat      480
actttgactg  tggtaggacc agcagttaac tggtaggcag cattcttgcc acaggtagta      540
tctggtctgg  aagctacttg ttccatttcc aaatcctttt aagatccctt aaattgataa      600
gaatgaattc  aagtttcaaa atgacacact aagttataca cggtagcagga tgtcattaag      660
gcaacagtct  caccaagtcc atgcacaggg ctcggtatct accattcccc tccccctgcc      720
ctccaagact  gcttagttct gcttactact ccttctctct aacgacagct tccagcatec      780
agaagtgaac  ttgagcagcc ttcagcctca caagttgggg gtggcccaat taaggaactt      840
catggcaact  tcaaagccaa ggaaacaggc cgcattgggt gggaaggctc ggatcatcac      900
tgcattgaac  cctttgtaca aggatgtgac tccttcatcc cggatcagct ccctcagcac      960
atctctgaaa  ccattaggat atttcccagg aggtgcagtc tggaatcgag acttgagcac     1020
atctgggggg  attgccacag cccagttgaa gatccctgca atgccccag ccaccaagat     1080
ccgagggggc  ctgagctcac tgacctctt tccctcggga gtgaagatat ttttcagcca     1140
ttcatatgtc  atgaaataca ttccactagc tgggacatct cgcataaggg taagcacagt     1200
ccctttgtag  atgcctcgga tcccaaactc ctggtacagc ttctttgcac agtccaaggt     1260
accagtgtac  ttgctttctc ctgaagaagc ctgaatctgt aataagcact tgatccgttc     1320
tccaggagtc  atgattcctg tgggtgaata gccagataac atcccagctg caaaaagctg     1380
gggatagctg  agcacatctt ctgggtgttt ctgttgtagt ttcttcccca aaccaaacc     1440
aaagaagcac  acggcaaaac tgggagtgac cccgatgata ggggcagcca ttccccgata     1500
tagccccgtg  atgccctctc taaaaagagt cttccggaaa cagtcaaagg tcccagagta     1560
catgggaggt  tgtccaggca aactcggtag ctgtgtctgc agtcggacct tgaccgtgtc     1620
cagaggggtg  ccgacgaaca ccaggcacac gccgccaaag ccgccggcca gcaggttctt     1680
gagcgggctg  atgggttttg gctggtcggc catggtcagt ccgtctgtca ctccgtctgt     1740
cagttctcgg  gccgtcctgg cttctcagcc ccagctgcag tgccggcgcc gcggctcgtg     1800
ccgangtcnn  tcaagcgtca atnccccacc t                                     1831

```

```

<210> 7367
<211> 733
<212> DNA
<213> Homo sapiens

<220>

```

<221> misc_feature
 <222> (87)...(433)
 <223> similar to gi2213577 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7367

| | | | | | | |
|------------|------------|-------------|-------------|------------|-------------|-----|
| ccaccaacca | aggccaagga | gaccagagcc | cagcacctca | cccagaggac | cccagtcaga | 60 |
| ggcccatct | cagacccgag | gctagcatgg | gctgcaggct | gctctgctgt | gcggttctct | 120 |
| gtctcctggg | agcgggtccc | atggaaacgg | gagttacgca | gacaccaaga | cacctgggtca | 180 |
| tgggaatgac | aaataagaag | tctttgaaat | gtgaacaaca | tctgggtcat | aacgctatgt | 240 |
| attggtacaa | gcaaagtgt | aagaagccac | tggagctcat | gtttgtctac | agtcttgaag | 300 |
| aacgggttga | aaacaacagt | gtgccaagtc | gcttctcacc | tgaatgcccc | aacagctctc | 360 |
| acttattcct | tcacctacac | accctgcagc | cagaagactc | ggccctgtat | ctctgcgcca | 420 |
| gcagccaaga | cacagccttg | cagagtcacc | gctttcctgt | gcagaaacct | taggggcct | 480 |
| ccaggaagct | gtgggggcca | ccaaacgctt | cgggtgaacat | ttcctgcaag | agccccgaca | 540 |
| gaagattcag | aacatcatag | cacctgctca | ttcatccatg | tggcaacgtt | acatcctatg | 600 |
| ctcatattta | gagtgtgggt | tttcttttagc | gtgtgactct | gcctgttaa | ctgatttgaa | 660 |
| aatgataaa | cacattcaga | tctagtcttt | ttaaaatccc | tttttaaatt | gtaaaataaa | 720 |
| gcaagcatgc | tat | | | | | 733 |

<210> 7368
 <211> 827
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(828)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (66)...(410)
 <223> similar to gi4756904 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7368

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|-----|
| cgctgggaat | gatgaagaag | aacaattccg | ccaagcgggg | acctcaagat | ggaaaccagc | 60 |
| agcctgcacc | gcccgagaag | gtcggctggg | tccggaaatt | ctgcgggaaa | gggattttca | 120 |
| gggagatttg | gaaaaaccgc | tatgtggtgc | tgaaggggga | ccagctctac | atctctgaga | 180 |
| aggaggtaaa | agatgagaaa | aatattcaag | aggtatttga | cctgagtgac | tatgagaagt | 240 |
| gtgaagagct | ccggaagtcc | aagagcagga | gcaagaaaaa | tcatagcaag | tttactcttg | 300 |
| cccactccaa | acagcccggg | aacacggcac | ccaacctgat | cttctctggc | gtgagtccag | 360 |
| aagagaagga | atcgtggatc | aatgccctca | actctgccat | cacccgagcc | aagaaccgta | 420 |
| tcttgatga | ggtcaccgtt | gaggaggaca | gctatcttgc | ccatcccact | cgagacaggg | 480 |
| caaaaatcca | gcactcccgc | cgccccccaa | caaggggaca | cctaattggct | gtggcttcca | 540 |
| cctctacctc | ggatgggatg | ctgaccttgg | acttgatcca | agaggaagac | ccttcccctg | 600 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| aggaaccaac | ctctttgtgc | tgagagcttt | cgggttgacc | tggacaagtc | tgtggcccag | 660 |
| ctggcagga | gccggcggag | agcggactca | gaccgcatcc | agccctccgc | agaccgggca | 720 |
| ancagtcttt | ccgaccttgg | gaaaaaacag | acaaaggggc | actacacccc | caggcaccaa | 780 |
| gaagttgacg | ccacagagaa | aggcgtctgg | tccctggagg | agatcta | | 827 |

<210> 7369

<211> 1803

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (916)...(1369)

<223> similar to gil1613852 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7369

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| ttaggatgga | ggtgtttgct | tggtgcactt | ggagctcttt | atgaagcaag | ggctctgcct | 60 |
| cccagcctga | gaccataacc | ctggttttga | cccagtagaa | ctcttgtggg | ccctgggttg | 120 |
| gtgtctctga | gcaaattccc | aaagcaggag | agtccctagc | accgtgagct | ctgtcagaac | 180 |
| ctcccagctg | gcctttcttc | tgccctcatt | gacaaccttc | tgacctctct | gctgagcata | 240 |
| gacacatatg | tgatgttaca | ggagccagtg | accttccagg | atgtggctgt | ggacttcagc | 300 |
| cgggaggagt | gggggctgct | gggcccgcga | cagaggaccg | agtaccgcga | tgtgatgctg | 360 |
| gagacctttg | ggcacctggg | ctctgtgggg | tgggagacta | caactggaaa | taaagagtta | 420 |
| gctccaaatt | ctgacattcc | tgaggaagaa | ccagccccca | gcctgaaagt | acaagaatcc | 480 |
| tcaagggatt | gtgccttgct | ctctacatta | gaagatacct | tgcagggttg | gggccaggaa | 540 |
| gtccaagaca | cagtgttgaa | gcagatggag | tctgtctcag | aaaaagacct | tcctcagaag | 600 |
| aagcactttg | acaaccgtga | gtcccaggca | aacagtgggt | ctcttgacac | aaaccaagtt | 660 |
| tcgctccaga | aaattgacaa | ccctgagtc | caggcaaaca | gtggcgctct | tgacacaaac | 720 |
| caagttttgc | tccacaaaat | tcctcctaga | aaacgattgc | gcaaacgtga | ctcacaagtt | 780 |
| aaaagtatga | aacataattc | acgtgtaaaa | attcatcaga | agagctgtga | aaggcaaaag | 840 |
| gccaaagga | gcaatgggtg | taggaaaacc | ttcagtcgga | gtactaaaca | gattacgttt | 900 |
| ataagaattc | acaaggggag | ccaagtttgc | cgatgcagtg | aatgtggtaa | aatattccgg | 960 |
| aaccaagat | acttttctgt | gcataagaaa | atccataacc | gagagaggcc | ctatgtgtgt | 1020 |
| caagactgtg | ggaaaggatt | tggtcagagc | tcttccctca | cacagcatca | gagagttcat | 1080 |
| tctggagaga | gaccatttga | atgtcaggag | tgtgggagga | ccttcaatga | tcgctcagcc | 1140 |
| atctcccagc | acctgaggac | tcacactggc | gctaagccct | acaagtgtca | ggactgtgga | 1200 |
| aaagccttcc | gccagagctc | ccacctcatc | agacatcaga | ggactcacac | cggggagcgc | 1260 |
| ccatatgcat | gcaacaaatg | tggaagggcc | ttcaccagga | gtcacacct | tattgggcac | 1320 |
| cagagaaccc | acaataggac | aaagcgaaag | aagaaacagc | ctacctcata | gctctcaagc | 1380 |
| cagttgaaga | aaccttgcc | tttcagcttg | accttgcaat | ataacatgca | caggcctgct | 1440 |
| tgtgaatcag | gactgaatgt | gaaagggaag | tattgagtga | ggacattccc | aaaaccaaag | 1500 |
| gacaactgag | gagactgccc | agcacataat | gaataaataa | gaaaatgagt | gaggaggtta | 1560 |
| ttaacatcat | ttggaaaaaa | agatttcccc | attcacttga | tattgtttgt | ttccccctt | 1620 |
| agtcctttaa | aagtgggatt | aataaaatct | gaaaatgtta | tataataact | ttaaaaagcc | 1680 |
| aggtaatata | taatctgcac | tgatattaca | tccacagtac | cacagtattt | atgtgtatga | 1740 |
| attaaggatt | aaaagataat | gtggataaat | aaactattga | tctatgtctg | tgtaaaaaaa | 1800 |
| aaa | | | | | | 1803 |

<210> 7370
 <211> 3529
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (415)...(1937)
 <223> similar to gi34536 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7370

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| gaattttctg | caaggatcat | atctaagtgc | actttttgct | gataacttcat | ttctagacat | 60 |
| tgagtctcac | tctaccccc | aggctgaagt | gcagtgggtg | gatctcggtt | cactgcaacc | 120 |
| tccgcctcca | ggttcaagt | attctcgtac | ctcagcctcc | cgagtagctg | ggattacagg | 180 |
| cgctgccac | catgcctggc | tgatatttat | atttttagta | gagatggagt | ttcaccatgt | 240 |
| tggccaggct | ggtctcgaac | tctggacctc | agatcttgta | gaaaatttca | gctgtagccc | 300 |
| ttggactaga | agctgaaata | acagaagctg | tgtacgatgc | attaggggtat | tgaagaaaat | 360 |
| taacttttga | attaaatatt | tggaatataa | ggaaataagg | aaagttgact | gaaaatgggg | 420 |
| cggaagaaaa | tacaaatcac | acgcataatg | gatgaaagga | accgacaggt | cacttttaca | 480 |
| aagagaaagt | ttggattaat | gaagaaagcc | tatgaactta | gtgtgctctg | tgactgtgaa | 540 |
| atagcactca | tcattttcaa | cagctctaac | aaactgtttc | aatatgctag | cactgatatg | 600 |
| gacaaagttc | ttctcaagta | tacagaatat | aatgaacctc | atgaaagcag | aaccaactcg | 660 |
| gatattgttg | aggctctgaa | caagaaggaa | cacagagggt | gcgacagccc | agacctgat | 720 |
| acttcatatg | tgctaactcc | acatacagaa | gaaaaatata | aaaaaattaa | tgaggaattt | 780 |
| gataatatga | tgcggaatca | taaaatcgca | cctgggtctgc | cacctcagaa | cttttcaatg | 840 |
| tctgtcacag | ttccagtgc | cagccccaat | gctttgtcct | acactaacc | agggagtcca | 900 |
| ctgggtgtccc | catctttggc | agccagctca | acgttaacag | attcaagcat | gctctctcca | 960 |
| cctcaaacca | cattacatag | aaatgtgtct | cctggagctc | ctcagagacc | accaagtact | 1020 |
| ggcaatgcag | gtgggatgtt | gagcactaca | gacctcacag | tgccaaatgg | agctggaagc | 1080 |
| agtccagtgg | ggaatggatt | tgtaaactca | agagcttctc | caaatttgat | tggagctact | 1140 |
| ggtgcaaata | gcttaggcaa | agtcatgcct | acaaagtctc | ccccccacc | aggtgggtgg | 1200 |
| aatcttggaa | tgaacagtag | gaaaccagat | cttcgagttg | tcatcccccc | ttcaagcaag | 1260 |
| ggcatgatgc | ctccactatc | ggaggaagag | gaattggagt | tgaataccca | aaggatcagt | 1320 |
| agttctcaag | ccactcaacc | tcttgctacc | ccagtcgtgt | ctgtgacaac | cccaagcttg | 1380 |
| cctccgcaag | gacttggtga | ctcagcaatg | ccgactgcct | acaacactga | ttattcactg | 1440 |
| accagcgctg | acctgtcagc | ccttcaaggc | ttcaactcgc | caggaatgct | gtcgctggga | 1500 |
| caggtgtcgg | cctggcagca | gcaccaccta | ggacaagcag | ccctcagctc | tcttgttgct | 1560 |
| ggagggcagt | tatctcaggg | ttccaattta | tccattaata | ccaacaaaa | catcagcatc | 1620 |
| aagtccgaac | cgatttcacc | tectcgggat | cgtatgaccc | catcgggctt | ccagcagcag | 1680 |
| cagcagcagc | agcagcagca | gcagccgccc | ccaccaccgc | agccccagcc | acaacccccg | 1740 |
| cagccccagc | cccagacagga | aatgggtcgc | tcccctgtgg | acagtctgag | cagctctagt | 1800 |
| agtcctatg | atggcagtga | tcgggaggat | ccacggggcg | acttccattc | tccaattgtg | 1860 |
| cttggccgac | ccccaaacac | tgaggacaga | gaaagccctt | ctgtaaagcg | aatgaggatg | 1920 |
| gacgcgtggg | tgacctaagg | cttccaagct | gatgtttgta | cttttgtgtt | actgcagtga | 1980 |
| cctgccctac | atatctaaat | cggtaaataa | ggacatgagt | taaatatatt | tatatgtaca | 2040 |
| tacatatata | tatcccttta | catatatatg | tatgtgggtg | tgagtgtgtg | tgtatgtgtg | 2100 |
| ggtgtgtgtt | acatacacag | aatcaggcac | ttacctgcaa | actccttgta | ggtctgcaga | 2160 |
| tgtgtgtccc | atggcagaca | aagcaccctg | taggcacaga | ccaagtctgg | gcacttcctt | 2220 |
| ggactacttg | tttcgtaaag | ataaccagtt | tttgagaga | aacgtgtacc | cgatatataa | 2280 |
| ttctcccaca | ctagcttgca | gaaacctaga | gggcccccta | cttgttttat | ttaactgtgc | 2340 |

| | | | | | | |
|-------------|-------------|------------|------------|-------------|-------------|------|
| agtgactgta | gttactttaag | agaaaatgct | ttgtagaaca | gagcagtaga | aaagcaggaa | 2400 |
| ccaagaaagc | aatactgtac | ataaaatgct | atztatat | tccaacctgg | catgggtgtc | 2460 |
| tggtgcaaag | gggtgcatgg | gaaagggctg | ttgatattaa | aaacaaacaa | aacaaaaaag | 2520 |
| ccccacacat | aactgttttg | cacgtgcaaa | aatgtattgg | gtcaagaagt | gatcttttagc | 2580 |
| taataaaagaa | agagaataga | aaacacgcat | gagatattca | gaaaatacta | gcctagaaat | 2640 |
| atagagcatt | aacaaagtaa | aattaatata | ttaagttata | attggaatat | gtcagaagtt | 2700 |
| tctttttaca | ttcatatctt | aaaaattaaa | gaaactgatt | ttagctcatg | tatattttat | 2760 |
| atgaaagaaa | acacccttat | gaattgatga | ctatatataa | aattatattc | actacttttg | 2820 |
| aacacattct | gctatgaatt | atztatataa | gccaaagcta | tatggtgtaa | ctttttttta | 2880 |
| gagaatagct | ttatcttggg | ttaactcttt | agttttat | taagagggga | aaacaaaaat | 2940 |
| atcttgcaag | cagaaccttg | gaaaaaaaaa | gccatgaaca | cttattctaa | atgtaaatta | 3000 |
| aaagttgagc | caaactcttt | gtgtatatag | catcttaaat | atattatcac | ctttgatgta | 3060 |
| agtacctatg | tattgtatgg | tcaccagatt | aaaaagtata | tttttggtga | ttgccgccaa | 3120 |
| tctgggggga | aaaggcgagg | tcctttatta | agtattcact | gtttaaatatt | tactattttg | 3180 |
| ttaaataatac | tgtacttttg | attttaatta | ttagcccgat | tttttcagag | gattgtataa | 3240 |
| aggggtttct | cccctcactg | gtggtgaatg | tgtgatgtta | cattgtaatc | tttgtgctgt | 3300 |
| atgggttgag | catcattata | tattttgtat | gtgtacataa | atagcaaagt | ggcaaaaaaa | 3360 |
| attgggggtt | aagtccaacc | cgaataagaa | taaaatgtgt | tgtaacagat | tttataaggc | 3420 |
| attatttaac | acttgccttt | tgtgaggaaa | actgtagtag | aacagctgac | ctaatttaat | 3480 |
| taatatcgga | acatggcaaa | tagtagatga | gcacaaggtt | tctaagggg | | 3529 |

<210> 7371

<211> 2856

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2788)...(1579)

<223> similar to gi5101766 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7371

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| tttatttaac | gtatgcagtt | tacacactca | ttattaaaca | aaattggaat | gcaaacaat | 120 |
| atacaaatac | cataagcatt | atcaaataaa | ataactggca | ctagtgttat | aagcatatta | 180 |
| atggacctgg | tagggaaaag | tgatggaaga | agactgcagc | ccatggcatt | tttcttttta | 240 |
| ccaaaagaaa | acgctcagta | gcaccataat | ggtaatactt | aaaagaaata | cataagatag | 300 |
| aacattttta | ctgctatcat | tgaggttaac | ctgcttttat | ttaagtgaat | tatacaggaa | 360 |
| attaacagta | caggcagtat | tttgccaac | ttctgcttat | gtcagctgaa | cattgtccat | 420 |
| aaacaaaagc | aaaagaaaat | aatgctaatac | atacatggac | cttttgta | tggtacaagt | 480 |
| tctgcaccgt | gctttgattt | catggttgga | gaagatatgc | atgtgttaaa | aactgagggt | 540 |
| atgtaaagtt | attcactaaa | gcctgagtg | gtctttggta | ggctaatact | ttttcagcat | 600 |
| tattaatcac | attcatgttt | atctat | tgtat | tataatcc | aaggtagcca | 660 |
| gagaagacat | ggaaaacaac | acagcaaaat | cctcaaataa | ctaggccatt | aaaaccag | 720 |
| cgatcccaaa | ggcaccaaga | atcaatgggg | tacaaacttc | cccttagaga | aaggtagg | 780 |
| ttttgtaata | cttataacct | aatgggactt | tattttgtag | ttttatgtat | cttatttg | 840 |
| gctgtcatat | gcttaattac | ttacctttac | at | taagatggc | atcaacaata | 900 |
| aacaagatag | agtaccaggt | at | ctat | caaagttgtg | caaaaactgc | 960 |
| ctcaaagtg | ctaagtatcc | aaatggtagc | aaatgagctg | cattaagctt | tataaacca | 1020 |

| | | | | | | |
|------------|------------|------------|-------------|------------|-------------|------|
| cattgcatat | gaagaaaaaa | aatgaaat | atgccgatat | aatagaaat | gttacagagt | 1080 |
| atcatatact | gagagtaacc | tatgcagttc | ttttaaactt | atctctttag | tggtttcaat | 1140 |
| aaaatatcac | taaccactta | tccctaaagc | ctcaagtttt | cttcatttga | atgctgtaga | 1200 |
| attgcattag | tattttatat | tgattatata | aattaagacc | aatttctatc | taagaatgtg | 1260 |
| cttcaagcaa | tgttttgtgg | caaacacaca | aaacatgctt | tgtcttcaa | atttattatc | 1320 |
| cttaaaataa | tgcactttta | aagccttcac | ttcatagttt | ggtaactaag | atccacatga | 1380 |
| cacacaatgc | cttgctgaac | acagaaaatg | tatctgcatt | atgataatga | aacccggctt | 1440 |
| ttgctggtaa | cctgaaactt | aagtagtcac | atgtagttca | accagctcca | aacacggttg | 1500 |
| tacagtggta | attattctgc | agcatttatg | ggcctaaatt | tcagtctgaa | ttgcaacttt | 1560 |
| taattccatt | gtctgatgtg | agtggttggt | atttgtttct | tttagtgcac | cgccaaaata | 1620 |
| taaatcaaca | ttaggtttta | ttccattggt | accatgttct | tcagcaatat | gattcaactg | 1680 |
| tgaaacttct | gaacaggaag | cagtttgggt | aaccacagaa | atgctacact | gatgtgggga | 1740 |
| attttccaga | cggctcattt | ctacctcagg | aagaatgtta | acagtagcaa | agcgggtgtg | 1800 |
| ataatcactg | gaaccatgac | tacaagaagt | tttcatgctt | tctaggtcag | aacaactaaa | 1860 |
| ttcagaaaaa | tgactagagt | gagaatctgc | tacagaaggc | atactgtcac | tgagggatgg | 1920 |
| agcctcaaat | tcacttgagt | tcgtgctttg | ttgttctaac | aactgtgcat | ccatgtcctc | 1980 |
| tctcgtctca | tttatcttca | tgttaccctt | tttctcag | ttaccacttt | ttgatttttt | 2040 |
| ccctgctggt | gcttcttttg | accacttggg | ggcactagat | ttaccttcag | gcaagccact | 2100 |
| ggatgaaccg | ccagcatgac | ttcgggtggc | actgccatca | tccacactac | tgcttccact | 2160 |
| gttgtgcctg | aatttggatg | gctttgactc | aatatctact | tgcacctcca | tactgttgcc | 2220 |
| ttctttgtcc | aatgggatgt | aggaattcag | aatggatcct | gccattgctt | tgggtgctggc | 2280 |
| attatcacta | actgttccca | agctgactgt | gccagattct | ccacttagac | tgtaccgttc | 2340 |
| tttctgtaca | tctgcttgta | cttccaacct | gttaaaacag | tttaccatgg | cacttcctga | 2400 |
| cagactcccc | gttatactgg | ctccagctag | tgccatgggtg | ctggccgttt | cactcagggt | 2460 |
| gtctcggatg | gctcctattc | gatccatgtg | gcttccactt | gactcaaac | tgccagtcag | 2520 |
| cccaccaaca | cttccctccc | ctatgcttgg | gttgtgtctt | gcttctgcta | ctgatgttgt | 2580 |
| gtctacagct | gtgttagttc | caccaacatt | tatatcattt | tcatcatcaa | attcaatcct | 2640 |
| aactcctttt | ccattgcctg | ctgagactcc | acaacctccg | cttcgacaaa | gagaaattgg | 2700 |
| aactacgcca | tagacataag | ctaacataat | aggaacaccg | atacctacag | tcactgcagc | 2760 |
| tactactgga | gacacgatta | cagacaacgt | tacaccacct | gctatggcca | aattccggtt | 2820 |
| gtgctttgaa | acatccttgc | cttcatagcg | attgtg | | | 2856 |

<210> 7372

<211> 2884

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2851)...(1458)

<223> similar to gi4008442 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7372

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| cctcccgagt | agctgggatt | acagacgtgt | gccaccatgc | tcagctaatt | tttgtatttt | 120 |
| cagtagacac | agggtttcac | catgttggcc | aggctgatct | cgaactcctg | acatcagggg | 180 |
| atccacccac | ctcagcctcc | caaagtgggtg | ggattacagg | cgtgagccac | tgcgcctggc | 240 |
| ctgccccacc | taccttaagt | tcaaggagaa | gccatctccc | caggacccag | ccccaggcct | 300 |
| gcaccacaga | tgctcaaaga | cttggaggaa | ctgatgaatt | cattttaatc | acagaaattt | 360 |

| | | | | | | |
|------------|-------------|------------|------------|-------------|------------|------|
| gcctgggctt | gagcaaactg | tggggactca | atagatttgg | aggcctcctc | tcccttctga | 420 |
| gaggcctgcc | tgcttcctgc | cctgatgaat | ccctaatttc | agtacaaact | gaggaacttg | 480 |
| aaaaacatct | gtgcactggg | accgcccctc | acaggagggc | tgaaagcagc | acagctgagt | 540 |
| cagcggcaca | ttcagcaggc | gttcagtggg | gaagcaggag | acagaggcgg | cgctcacagg | 600 |
| accgcctcca | ggcttgtcac | agccacacat | cacagcactt | tgggttttgc | cacaacagag | 660 |
| cagctctgag | ctcaatcctt | gcacctcaga | agtgcattta | tgattaaaat | catgctcgac | 720 |
| atgaagccct | gttatgatgt | gcagttttaa | aagagaaacg | ggtccaaatc | agcaccaaca | 780 |
| gagcccccca | gggggctcca | agactcgccc | cagagacagc | agaaggaccc | catgtgcgcg | 840 |
| ctgatctgta | agaaggggtg | tggatgcagc | agcagggggc | tgcgccaaa | ggcagcaggt | 900 |
| gggggcctct | catagtgtga | ccctgggcag | gccactcccc | taccccggtg | ccctcacctg | 960 |
| aaaaatggga | cagcaacaca | atgagacaac | agagactgtc | tagaatataa | agaaaagaat | 1020 |
| gaaaaggtcc | atcccaaggg | cagcctgggt | gggacgggga | caggcagtg | ggggaggctg | 1080 |
| cctctggaag | acctgtccca | gcagaatcag | ccccacctc | tgccctgcct | tccaaccttt | 1140 |
| gaaccaccag | gcagtagaca | cattcccttg | ggaaacagaa | tttgcaaggc | aggtggaaag | 1200 |
| agcagcactc | acactggctg | tgactgctga | aaaatgctca | ttggcccttc | tcgaggactg | 1260 |
| aaaggagatt | cggaaatcaca | tttaaaatta | accctgacc | cacttcctgt | aaaactgaag | 1320 |
| atcacctct | aacagcccta | acaaacaggc | tctggccgtc | tctgacct | aaccgggtgg | 1380 |
| agcagctgac | tggacgcagt | gacgccacca | ctgaggttct | gcagggtgga | ggcggccagg | 1440 |
| ctggctcact | gcatgaggtg | gacggtagct | gccttgcgga | tgagccgctc | ggtcaggggc | 1500 |
| gagttgggct | tcaaggcatc | acgctccatc | agaaggctcc | gggctacgtt | cttatggacg | 1560 |
| ctggaggtgc | agtttaaggc | cgcgtgaatc | agcagctggt | tgaagacgtc | tctctgggca | 1620 |
| ttgctccac | cgagctggac | gatccggtag | cggatgggca | ggagcagctc | caggacgcgg | 1680 |
| tcagggttcc | cgctctcagc | ctccaccagg | gcctggcaca | ggggcagccc | cacgtctcgg | 1740 |
| gccaggaggt | gctggcagtt | ctcccctggg | gattcgctgg | cgctcccgag | ggtggtcagc | 1800 |
| agctcctgtg | tggctctggg | gtcgtgtgca | cccagggatg | ccatcaggaa | gtgtgcgtca | 1860 |
| ttgaacagca | ggatgtggtc | tcggctgtgc | ttccgggcca | caggcaggac | atcctgccac | 1920 |
| cgctggccca | cagacactcc | ttccatctgc | aggcggtaga | gcatggagca | gctgtccacc | 1980 |
| acgtccagca | ttgcatcggt | ggcctgcagg | ctgggaagga | tgtgggtatc | gtagatggtc | 2040 |
| agcgcgccct | catattcgcc | cttctcaatc | agatataaag | cccagtgcc | atagttatga | 2100 |
| caagccaaca | tatcagagtc | cttcagagg | gtctctgagt | gctgcatgaa | ttccaaccca | 2160 |
| tccttgatct | ctgctttcat | ctcgtggatg | tgagcgacgg | tgtgcaccga | ccatgcgtct | 2220 |
| gtcgggttaa | tagataaagc | ctctttggcg | agtttttctg | cctggctcgta | gaagttgggt | 2280 |
| tccatcaagc | caaaagagta | gatgcctttc | acatagctgc | ttagggggat | gtcaggtgtc | 2340 |
| cagaaggggt | aaattcgagc | aacagaatct | ctcatctgtt | cctgatagcc | caggtaaaaa | 2400 |
| taagcatcat | gggaaaattt | cagggccaac | atgtctgtcg | ggtggtcctg | gagaatctgt | 2460 |
| tcccatagtt | cacaggcttt | cggaaagttc | ccattggcaa | atgtctctac | tgcagacacg | 2520 |
| tgcagctgct | cccgccttgt | cagcggtcgg | gttcttgaaa | tctccaccat | tgtcttcaca | 2580 |
| gccaggtcca | gctctttgtc | cagcttcacg | gagcttcacg | tgccaatcag | cacaaggcca | 2640 |
| gtagccatgg | cgtggcccat | cacaaagggt | ggatctgctg | ctttgagctt | tgacaggcag | 2700 |
| ccctcgatgc | caccgagact | cttgtcattg | gtccatttta | catactgggt | cagcgtggca | 2760 |
| tcgaacagct | tgcaggcttc | gttgcttgtg | gtggagagcg | ggagcctcgc | atccttcacg | 2820 |
| gcatggcagt | cgcgcagagg | cgaggctcgc | gccatgttgc | gccgggtcgg | agcggacgcg | 2880 |
| tggg | | | | | | 2884 |

<210> 7373

<211> 1924

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (282)...(634)

<223> similar to gi4105275 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 7373
cgtcacagcc cgacgcgcca cccagctggt tttgtgctca caagctctag cgaaaagccg      60
ccggtatttc tccatctggc tctcctctac ctccaggcag gctcaccgga gatccccgcc      120
ccgaaccccc cctgcacact cggcccagcg ctggtgcccc cggagcggac gtttctgcag      180
ctattctgag cacacctga cgtcggctga gggagcggga cagggtcagc ggcgaaggag      240
gcaggccccg cgcggggatc tcggaagccc tgcggtgcat catgaagttc cagtacaagg      300
aggaccatcc ctttgagtat cggaaaaagg aaggagaaaa gatccggaag aaatatccgg      360
acagggtccc cgtgattgta gagaaggctc caaaagccag ggtgcctgat ctggacaaga      420
ggaagtacct agtgcctctt gaccttactg ttggccagtt ctacttctta atccggaaga      480
gaatccacct gagacctgag gacgccttat tcttctttgt caacaacacc atccctccca      540
ccagtgtctac catgggcca a ctgtatgagg acaatcatga ggaagactat tttctgtatg      600
tggcctacag tgatgagagt gtctatggga aatgagtggg tggagcccca gcagatgggg      660
agcacctgga cttgggggta ggggaggggt gtgtgtgctc gacatgggga aagaggggtgg      720
ctcccaccgc aaggagacag aagggtgaaga catctagaaa cattacacca cacacaccgt      780
catcacatth tcacatgctc aattgatatt ttttgcctgt tctcggccc agggagaaaag      840
catgtcagga cagagctggt ggattggctt tgatagagga atggggatga tghtaagtta      900
cagtattcct ggggtttaat tgttgtgcag tttcatagat gggtcaggag gtggacaagt      960
tggggccaga gatgatggca gtccagcagc aactccctgt gctcccttct ctttgggcag     1020
agattctatt tttgacattt gcacaagaca ggtagggaaa ggggacttgt ggtagtggac     1080
catacctggg gacaaaaaga gacccactgt aattgatgca ttgtggcccc tgatcttccc     1140
tgtctcacac ttcttttctc ccatcccggt tgcaatctca ctacagacatc acagtaccac     1200
cccaggggtg gcagtagaca acaaccacga aatttagaca gggatctctt acctttggaa     1260
aataggggtt aggcataga gtggttgtga ttaagaagat ggttttgtta ttaaatagca     1320
ttaaactgga attgacaaga gtgttgagca tccctgtcta acctgctctt tctctttggt     1380
gccccttata tcaccccttc cttggaattt aataagctct aggcatttcc aattgtagac     1440
taaaaccact cttagcatct cctctagtat tttccatgta tcaggaaaga ggtgtcttat     1500
gtagggaggg ggcaagtatg aagtaaggta attatatact actctcattc aggattcttg     1560
ctcccatgct gctgtccctt caggctcaca tgcacaggaa tgctacatga tggccagctg     1620
cttccctcct tggttatcat ccaactgcagc tgctagttag aaaggtttgg agggatgact     1680
tttagtaaat catggggatt ttattgattt attttcaact ttgggatttt gtgggggtggg     1740
agtggggagc aggaattgca ctacagacatg acatttcaat tcatctctgc taatgaaaag     1800
ggttctttct cttgggggaa atgtgtgtgt cagttctgtc agctgcaagt tcttgtataa     1860
tgaagtcaat gccatcaggc caaggaaata aaataattgc ttaccttaa aatcaaaaaa     1920
aaaa                                              1924
```

<210> 7374

<211> 2079

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (625)...(1630)

<223> similar to gi5901743 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters


```

<400> 7374
tttcgtccta cccccgtccc tagtcccgtc agcatgggtt ggatcccctg tgcgctcgcc 60
tctttctttg gcgacgcctc cgccgccgcc tggggaggcg agctatccgg gagttacacc 120
gccaccgcca ggatggatag aatgacagaa gatgctcttc gcttgaatct gttgaagcgg 180
agcttggacc cagcagatga gcgagatgat gtcctggcaa agcgactcaa aatggagggg 240
catgaggcca tggaacgtct gaaaatgttg gcattgctca aaaggaagga tttggcaaata 300
cttgagggtgc cacatgagtt acccaccaaa caggatggca gtggtgtcaa gggctatgaa 360
gaaaaactta acgggaatct caggcctcat ggagacaaca ggactgctgg aaggccaggc 420
aaagaaaaca tcaatgatga gcctgtggat atgagtgtca gacggagtga gccagagcga 480
ggaaggctaa ctccctcacc agacatcatt gttttgtctg acaatgaggc ttccagtcct 540
cgttccagtt ccagaatgga agaaagactc aaagcagcca acttagagat gtttaagggg 600
aaaggcattg aggagcggca gcagcttata aagcagctga gggatgagct acgattggaa 660
gaagcccgcac tggctcctgtt aaagaaactg agacagagtc agctacagaa agagaatgtg 720
gtccagaaga ctccagttgt acagaatgca gcattctattg ttcagccatc tctgccccat 780
gtgggacagc agggcctatc taagcttccc tctcggcctg gggcccaagg ggttgaacct 840
caaaatttga gaacattaca gggtcacagt gtcattccgtt cagctaccaa taccacctt 900
ccacacatgt tgatgtctca acgtgttatt gcaccaaacc cagcccagct acagggtcag 960
cggggcccg ctaagcctgg cctgttacgc accacaacac ccaacatgaa tcccgccatc 1020
aattatcaac cgcagtcaag ttcttctgtt ccattgtcagc gtacaacatc ctctgccatc 1080
tatatgaacc ttgcttctca tatccagcca gggacgggtga acagagtgtc ctgcgccactt 1140
cctagcccca gcgccatgac tgatgtctgc aactcacagg ctgcagccaa attggctctt 1200
cgcaaacagc tggaaaagac actcctggag atcccccccc ctaaacctcc tgcctccctta 1260
cttcatttct tgcctagtgc agccaatagc gagttcatct acatggtagg cttggaagaa 1320
gtcgtacaga gtgtcattga cagccaaggc aaaagctgtg cctcacttct gcgggttgaa 1380
ccctttgtat gtgcccagtg ccgcacagat ttcacctc actggaagca agaaaagaat 1440
ggtaagattc tatgtgagca gtgtatgacc tccaaccaga aaaaggctct aaaagctgaa 1500
cacaccaacc ggctgaaaaa tgcatttgtg aaagccctac agcaggaaca ggtaagaatt 1560
ctgactgctc actggccacc tgtcccagtt tgttttttcc aaagggtcgc gccttctagt 1620
ttgcaggagt ggttcatgtg atccctacag gtccacaggt tccctttttg tctccttata 1680
attgtgtcct atttccattt gagcgagtat tctgattaag aacatggtaa aatataatgg 1740
ctgagggttaa cagaaaggga cagaaagctt gggactcttg gcttttccat agcactctat 1800
tctcatcttc attttttcct aaaacaaata atagattttg gtgggaggaa tttatatattg 1860
tgctataaat ctctttgaaa cagttatttg cagtgcgtgt ttgataagaa atgacgaaag 1920
aaagagtgaa ttatgaagta gccagtgaa gagtagtggt tctagagtat gtgaacatct 1980
catgtagcag ttataggatg agaatatctt agagaaggaa aaatgtgttg ggaaactcag 2040
atccttttct tcctatttcc cactccaccc atcagagtc 2079

```

<210> 7375

<211> 3600

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (83)...(2087)

<223> similar to gi3043744 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7375

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|-------------|------|
| cgctccctttt | ctcccccttct | agagtgttac | ggtgactctt | gggtccgaag | gggacggacg | 60 |
| tcctcccacg | taccatttag | aagaaatgga | gcaagagcca | caaaatggag | aacctgctga | 120 |
| aattaagatc | atcagagaag | catataagaa | ggccttttta | tttgtaaaca | aaggctctgaa | 180 |
| tacagatgaa | ttaggtcaga | aggaagaagc | aaagaactac | tataagcaag | gaataggaca | 240 |
| cctgctcaga | gggatcagca | tttcatcaaa | agagtctgaa | cacacaggtc | ctgggtggga | 300 |
| atctgctaga | cagatgcaac | agaaaatgaa | agaaactcta | cagaatgtac | gcaccaggct | 360 |
| ggaaattcta | gagaagggtc | ttgccacttc | tctgcagaat | gatcttcagg | aggtgcccaa | 420 |
| gttatatcca | gaatttccac | ctaaagacat | gtgtgaaaaa | ttaccagagc | ctcagtcttt | 480 |
| tagttcagct | cctcagcatg | ctgaagtaaa | tggaaacacc | tcaactccaa | gtgcaggggc | 540 |
| agttgctgca | cctgcttctc | tgtctttacc | atcacaaagt | tgtccagcag | aagctcctcc | 600 |
| tgcttatact | cctcaagctg | ctgaaggcca | ctacactgta | tcctatggaa | cagattctgg | 660 |
| ggagttttca | tcagttggag | aggagtttta | taggaatcat | tctcagccac | cgcctcttga | 720 |
| gaccttaggg | ctggatgcag | atgaattgat | tttgatacca | aatggagtac | agattttttt | 780 |
| tgtaaactct | gcaggggagg | ttagtgcacc | ttcgtatcct | gggtaccttc | gaattgtgag | 840 |
| gtttttggat | aattctctcg | atacggttct | aaaccgtcct | cccgggtttc | ttcagggtttg | 900 |
| tgactggtta | tatcctctag | ttcctgatag | atctccggtt | ctgaaatgta | ctgcgggagc | 960 |
| ctacatgttt | cctgatacaa | tgctacaagc | agcaggatgc | tttgtggggg | tcgtcctgtc | 1020 |
| ctctgagtta | ccagaggatg | atagagagct | ctttgaggat | ctgttaaggc | aatgtctctga | 1080 |
| ccttcggctc | caggccaact | ggaacagagc | agaagaagaa | aatgaattcc | aatccctggg | 1140 |
| agaactaga | ccctcctctg | accaactaaa | agaagcctct | ggcactgatg | tgaaacagtt | 1200 |
| ggaccaaggc | aataaggatg | tacgtcataa | aggaaaacgt | ggaaaaaggg | ctaaagatac | 1260 |
| ttcaagtga | gaagttaacc | tgagtcacat | tgtaccatgt | gagccagttc | cagaagaaaa | 1320 |
| gcaaaaagaa | ttacctgaat | ggagtgaana | agtggctcac | aacattttgt | cagggtgcttc | 1380 |
| ctgggtgagt | tggggtttag | tcaaagggtgc | tgagattact | ggtaaggcaa | tccagaaagg | 1440 |
| tgcttctaaa | ctccgagagc | ggattcaacc | agaagaaaaa | cccgtggaag | ttagtccagc | 1500 |
| tgctcctaa | ggactttata | tagcgaagca | agctacagga | ggagcagcaa | aagtcagcca | 1560 |
| gttcctgggt | gcatggagtt | gcactgtagc | aaattgcgtt | ggaaaagaac | tagctccaca | 1620 |
| tgtcaagaag | catggaagca | aacttggtcc | agaatctctt | aaaaaagaca | aagatgggaa | 1680 |
| atctcctctg | gatgggtgta | tgggtgtagc | agcaagtagt | gttcaaggat | tttcaactgt | 1740 |
| ctggcaagga | ttggaatgtg | cagctaaatg | catcggtaac | aatgtttcag | cagaaactgt | 1800 |
| acaaactgtc | agatacaaat | acggatataa | tgcaggagaa | gctacccacc | atgcggtgga | 1860 |
| ttctgcggtc | aatgttggcg | taactgccta | caatattaac | aacatttggt | tcaaagcaat | 1920 |
| ggtgaagaaa | actgcaacac | aaacaggaca | cactctcctt | gaggactatc | agatagttga | 1980 |
| taattctcag | agggaaaatc | aagaaggagc | agcaaatgtc | aacgtgagag | gggagaagga | 2040 |
| tgagcagacg | aaggaagtaa | aggaggcaaa | gaagaaagat | aaatgatgaa | gtgctgggaa | 2100 |
| tcacttatac | caaagcctta | tgaatggat | gaaattttgt | taaataggca | aatgtggaat | 2160 |
| tcctcacaga | ttaaccagta | ttttttaaat | gtattcattc | ctacaaatta | actttcataa | 2220 |
| attttatggc | atgtcttcta | tttaaaagga | aaagaataag | tattcttgca | tctggcctta | 2280 |
| gaaatgtgaa | gttatattct | caagtttatt | tttttccaag | tgtagctaaa | atatttttgc | 2340 |
| aggtaaaata | aagctgatag | tacatgtgtt | gttcaaacct | tgtaaacct | aatattgaac | 2400 |
| tatttttata | tctgctgtct | ttcagaaggc | aaataggaaa | ctatatattt | gcttaaaaaat | 2460 |
| tggcatttag | taaccttaat | tctttttata | gaaggaaatga | cttaaagtat | tgtccctctc | 2520 |
| ttttgcacta | attgtggatt | tttttagatg | cttctcaaaa | ttttcagtgt | gtaagctaaa | 2580 |
| caaaaactaa | aactaagaat | tctcaaaaaa | acttgttcaa | aacagggaaa | gactgatgaa | 2640 |
| aagtaaaaatg | gactactttt | gtaacttacc | tgtttgttag | gaaatggaat | ggctctcttg | 2700 |
| atttaaaatg | aataaaaata | gattattacg | tcttttgtat | tgagactgta | ttgttatgag | 2760 |
| cctaggaaat | ttgggaacat | gattgtattg | tattaaaatt | cgaagtgatt | attatcagct | 2820 |
| taattggatt | aaaaaagtac | ttcaagaaat | tattttatca | tatctgcttc | tgtttttcca | 2880 |
| aaagggttaaa | acttgtaaaa | aaaatatata | taaacaattg | agtttactaa | tggtaaacat | 2940 |
| ttttattctg | ggattcggtc | attggaattt | atattaaaag | acaagttatt | aaaaaggaaa | 3000 |
| ggttctattc | ataatcaggg | taaagaatat | gaaaacctta | gacgtaatcc | catggtggat | 3060 |
| aggccattat | ggtttccact | ttggccagaa | ggcagactat | tcacagccct | atttacttac | 3120 |
| ataggctaaa | aaactatgta | accctaaata | cctaattggt | tttaattttt | gtttattgaa | 3180 |
| tttaaggagg | ttgggtatta | gttttccata | ggctgtagtc | ccattcctaa | taatttctga | 3240 |
| tcttctagt | gctacttaat | tagacattat | ttgaagctgt | ctgaagaatg | cactttatga | 3300 |
| attaaaaaac | tgaattgcct | gacctcgta | tcacatgagc | ttatattttg | ggaacacata | 3360 |
| gaactgatgg | aggcttttcc | taaggccaag | gataatgtac | tagttgttaa | aatggaaata | 3420 |

```

aaagtgaagt ggtaaatagc ttacagacag tctatgcttt gtttaagaaa tgggaatggca 3480
cttcatatta ttctcatttg tgggagctaa aaattacaaa taatcaaact taaggagata 3540
gagagtagaa tgatggttac cagaggctgg gaggcattga agggatgggg agggaagtgg 3600

```

<210> 7376

<211> 965

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (245)...(886)

<223> similar to gil008080 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7376

```

aagacggtga tttctgcatt tccatctgag atgcagtcga agccctgtgg ctccaccccg 60
agggtccagc ccttaccact gctaagaact acaactccca gcccgaggga ggtctctgcg 120
cctgcggcct gacgcccctac gcctacactt cccagagAAC ctAgcggtta cgccaacgcg 180
cgcgTgcgcc cttgcgcgTt tctctcttcc cactcggtt tgacctacag ccgcccggga 240
gaagatggct gcccagcag tgtccgggct ctcccggcag gtgcgatgct tcagtacctc 300
tgtggtcaga ccatttgcca agcttgtgag gcctcctggt caggTatacg gtattgaagg 360
tcgctatgcc acagctcttt attctgctgc atcaaaacag aataagctgg agcaagtaga 420
aaaggagtTg ttgagagtag cacaaatcct gaaggaaccc aaagtggctg cttctgtttt 480
gaatccctat gtgaagcgTt ccattaaagt gaaaagccta aatgacatca cagcaaaaga 540
gaggtttctct cccctcacta ccaacctgat caatttgctt gctgaaaatg gtcgattaag 600
caatacccaa ggagTcgTtt ctgccttttc taccatgatg agtgTccatc gcggagaggt 660
accttgCaca gtgacctctg catctccttt agaagaagcc acactctctg aattaaaaac 720
tgtcctcaag agcttcctaa gtcaaggcca agtattgaaa ttggaggcta agactgatcc 780
gtcaatcttg ggtggaatga ttgtgcgcAt tggcgagaaa tatgttgaca tgtctgtcaa 840
gaccaagatt cagaagctgg gcagggctat gcgggagatt gtctaaaagt gttgggttttc 900
tgccatcagt gaaaattctt aaacttggag caacaataaa aagcttccag aacagaaaaa 960
aaaaa 965

```

<210> 7377

<211> 1491

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1293)...(546)

<223> similar to gill118102 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7377
aaagtaccaa ctatacttta tggttggtgg aacatttatg cctttttgat aaatgataaa 60
aagatcttac tcccaactac tgcatattaa aaaaagaagt taatgacaag acgattccgt 120
gggaggttga ggcaggaggg ttgcttgagc ccaggagttt gatttggcaa gacctggtct 180
ctgatttttt taaaaggatg attccaaatt aagtctaaga atggaagtga atgccaagca 240
cagacccttt cacctccaca tagagaataa acgtgggaca agctgacaag gatttttagc 300
taacagcagc cactgttgct ttgatagacg catacaagcc ctttctaaca ttagcaagtc 360
ataaaaatcc aaaaagttaa aatctcagtt gagaacttca aacaatactt ctgttttaca 420
agaattttaat aacaaagatt aaacaatcaa aatgaaccat gggactcaaa aacatcctaa 480
gttgcaaaat caatacataa tggaaaatct gacgacattt aaaactgtaa gattaattct 540
tttcattgag ttcttctact tgcatttgca aacagagaga atgacgcgcc tgtttcaggg 600
attcttttagc cttagcaagg tcttctttta acttgttgta ttgctgcaca tcaaagtgct 660
gttgctttga tttcttggtg aagaactgaa gaaattgcct actcttaaca gctgagtaag 720
tataatcctg tcgagtgact ataaagtatg caaaaaagac catagaattt gcaaagtga 780
tgaagtatgt aactggctcc atgatatccc aggagtacac ccaccacgtg agccaggcca 840
gtgccccacc ctgaatggac agcagtgcc atccagccca caggagtcca ctggtttttg 900
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tacttggttt ttctctcttt ggacactgca catcatatgc tattttatta atgacaagtt 1140
taaaatcatt cattagcaaa atatccatca aggtagaagc tgaaatcatg ttgccatctg 1200
ctgtgaagat ggctgcagtt ttgataccct tatcttcatt ttgtaggctc tgaaggaatg 1260
aaccaactgt tgacaacatt ggtttgacta cgaattgaca acgttctttt ctagatggca 1320
aggtaagtgt taccaaggga aggccatgtc tataaataac tgttatttca tcagggtggca 1380
ccacggtact ataatggtgt gactggtagt atttcacatt tccacacagc ttcacacgca 1440
aaacctgggg cgagggcggc agcggccacg ggcgcgctgg gcgccaggtg c 1491

```

<210> 7378

<211> 1926

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (532)...(1648)

<223> similar to gi3170184 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 7378
ccccgcgctc cgcccacgcg tccgggggtcc ggtaacaaca tggcggcgctc cgtgaggggc 60
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tttctgcac cactggactt aagggaagag gtactcgtag gcggacagct ttagtggccg 180
gccggccgct ctcatccccc ataaggagca gagtcccttg tactgaccaa gatgagcaac 240
atctacatcc aggagcctcc cacgaatggg aaggttttat tgaaaactac agctggagat 300
attgacatag agttgtggtc caaagaagct cctaaagctt gcagaaattt tatccaactt 360
tgtttggaag cttattatga caataccatt tttcatagag ttgtgcctgg tttcatagtc 420
caaggcggag atcctactgg cacagggagt ggtggagagt ctatctatgg agcgccattc 480
aaagatgaat ttcattcacg gttgcgtttt aatcggagag gactggttgc catggcaaat 540

```

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| gctgggttctc | atgataatgg | cagccagttt | ttcttcacac | tgggtcgagc | agatgaactt | 600 |
| aacaataagc | ataccatctt | tggaaagggt | acaggggata | cagtatataa | catgttgcg | 660 |
| ctgtcagaag | tagacattga | tgatgacgaa | agaccacata | atccacacaa | aataaaaaagc | 720 |
| tgtgaggttt | tgtttaatcc | ttttgatgac | atcattccaa | gggaaattaa | aaggctgaaa | 780 |
| aaagagaaac | cagaggagga | agtaaagaaa | ttgaaacca | aaggcacaaa | aaattttagt | 840 |
| ttactttcat | ttggagagga | agctgaggaa | gaagaggagg | aagtaaatacg | agttagtcag | 900 |
| agcatgaagg | gcaaaagcaa | aagtagtcat | gacttgctta | aggatgatcc | acatctcagt | 960 |
| tctgttccag | ttgtagaaag | tgaaaaaggt | gatgcaccag | atttagttga | tgatggagaa | 1020 |
| gatgaaagt | cagagcatga | tgaatatatt | gatggtgatg | aaaagaacct | gatgagagaa | 1080 |
| agaattgcca | aaaaattaaa | aaaggacaca | agtgcgaatg | ttaaatacagc | tggagaagga | 1140 |
| gaagtggaga | agaaatacagt | cagccgcagt | gaagagctca | gaaaagaagc | aagacaatta | 1200 |
| aaacgggaac | tcttagcagc | aaaacaaaaa | aaagtagaaa | atgcagcaaa | acaagcagaa | 1260 |
| aaaagaagt | aagaggaaga | agccccctcca | gatggtgctg | ttgccgaata | cagaagagaa | 1320 |
| aagcaaaagt | atgaagctct | gaggaagcaa | cagtcaaaga | agggaacttc | ccgggaagat | 1380 |
| cagacccttg | cactgctgaa | ccagttttaa | tctaaactca | ctcaagcaat | tgctgaaacg | 1440 |
| cctgaaaatg | acattcctga | aacagaagta | gaagatgatg | aaggatggat | gtcacatgta | 1500 |
| cttcagtttg | aggataaaaag | cagaaaagt | aaagatgcaa | gcatgcaaga | ctcagataca | 1560 |
| tttgaaatct | atgatcctcg | gaatccagt | aataaaaagaa | ggaggggaaga | aagcaaaaag | 1620 |
| ctgatgagag | agaaaaaaga | aagaagataa | aatgagaata | atgataacca | gaacttgctg | 1680 |
| gaaatgtgcc | tacaatggcc | ttgtaacagc | cattgttccc | aacagcatca | cttaggggtg | 1740 |
| tgaaaagaag | tatttttgaa | cctgttgtct | ggttttgaaa | aacaattatc | ttgttttgca | 1800 |
| aattgtggaa | tgatgtaagc | aaatgctttt | ggttactggg | acatgtgttt | tttcctagct | 1860 |
| gaccttttat | attgctaaat | ctgaaataaa | ataactttcc | ttccacatta | catgttaaaa | 1920 |
| aaaaaa | | | | | | 1926 |

<210> 7379

<211> 1090

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (60)...(703)

<223> similar to gi919 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7379

| | | | | | | |
|------------|------------|-------------|------------|-------------|------------|-----|
| cgaggagca | ggcgggccg | cggcgccata | ttgcggccct | cagcgggcgc | gaccgagtca | 60 |
| tggctgagac | ctacgacttc | ctcttcaa | tcctggtgat | tggcagtga | ggaactggca | 120 |
| aatcatgtct | ccttcatcag | ttcattgaga | ataagttcaa | acaggactcc | aatcacacaa | 180 |
| tcggcgtgga | gtttggatcc | cgggtgggtca | acgtgggtgg | gaagactgtg | aagctacaga | 240 |
| tttgggacac | ggctggccag | gagcggtttc | ggctagtgac | gcggagttat | taccgagggg | 300 |
| cggctggagc | cctgctggtg | tacgacatca | ccagccggga | gacatacaac | tcactggctg | 360 |
| cctggctgac | ggatgcccgc | accctggcca | gccccaacat | cgtgggtcatc | ctctgtggca | 420 |
| acaagaagga | cctggaccct | gagcgggagg | tcactttcct | ggaggcctcc | cgctttgccc | 480 |
| aggagaatga | gctgatgttc | ctggagacca | gcgctctcac | aggcgagaac | gtggaggagg | 540 |
| cgttcctcaa | gtgtgcccgc | actatcctca | acaagattga | ctcaggcgag | ctagaccggg | 600 |
| agaggatggg | ctctggcatt | cagtacgggg | atgcgtccct | ccgccagctt | cggcagcctc | 660 |
| ggagtgccca | ggcctgtggc | cctcagccgt | gtggctgctg | agctctgtgg | agccagctca | 720 |
| cctgttctcc | aggaccagcc | ctgctggggc | ccaggcccag | gctctgagag | gccgtgtcct | 780 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| aacctgccct | ggccccggag | aagctacgtt | gccacctgtc | ccccctccct | ggcctggtgg | 840 |
| ggcctggctt | tggggcaaga | ctgagccacg | ggggaagggg | gaatcccgtg | cctgctgctg | 900 |
| cttctctctg | cttggttaac | gtctgtcccc | ctgaacccct | aaccataccc | caagagctcc | 960 |
| caaagcctga | gaccaggggc | atttgtcccc | aactccccat | ctggccctgc | tgttgctagt | 1020 |
| acctgttatt | tattacctgg | aggcctgtcc | agcacccccc | ctacccccat | aaagcattgt | 1080 |
| ttacaaaaaa | | | | | | 1090 |

<210> 7380
 <211> 1969
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1970)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1570)...(978)
 <223> similar to gi36032 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| <400> 7380 | | | | | | |
| catttttttaa | aaacatcaga | agtagatgag | gttacagcgt | acaagtgtgg | tcagaatgct | 60 |
| actgtcgtat | gcaaatagac | agtgcattaa | gtgtcaaaaca | atgaaacaat | tgtgcaaaga | 120 |
| ataaaaaaac | aaatttttagc | ctttaataaa | atcaaataac | atcagtttct | tggactgaac | 180 |
| aatttttact | tctaggacag | gcacaaagtt | cgcttatggc | aaaaacaacc | ccacagcgca | 240 |
| tcctccctcc | tcctccgggt | agctggtgga | gggttcgcag | cgggctggcc | cgcaggagag | 300 |
| gctgtgctga | agctgtgtcc | tccccaaagtc | agttgcaaata | gtcttcccca | gggggttgaa | 360 |
| agatgggtcaa | gtcctgttca | tgcttggggcg | ggagtctggc | ccagcctggg | ccagagcgct | 420 |
| caccatcac | cacccttaaa | taacaccatc | ttagctccga | aaataaaaatt | atatctatat | 480 |
| ttatataaca | tccccccatc | ctccccagca | gccctccct | cccgcagtac | ccggggtcta | 540 |
| tgttacagac | aagggatatac | aaagctccgc | tgggtgaagg | agaacatctg | atggggcgcg | 600 |
| gccacactcc | cgcgccaatc | tcgcccccg | ggatcagagg | cgggggtggg | gtgaaaatgg | 660 |
| ggcgagggga | gtcgaacaga | cacacagcca | cacactctga | ggccccgctc | ttcagaaaag | 720 |
| catgctcagg | ggacccttgg | cactcagtgg | ggagcccagg | cctgtgcaac | acagctggac | 780 |
| gcacacagac | actgggatgg | gggcgcccgg | tgccacgcc | aagtcctggc | gcaagccaga | 840 |
| ggcgtcagca | gacagatgcc | aggcaggccg | gtggggctct | tgtgggacac | gggtctcccc | 900 |
| ttctccgggc | tcgcggggga | ctgggtccagg | agggggagcc | gtgccggcag | gggcaggcgc | 960 |
| gacgggcgcg | gccctcatag | caccttgca | cagttgatgc | agccgttctg | ggagccgtag | 1020 |
| cgcttctgca | gcgcggcgcg | cgtggccgtc | tcgaagacct | cgcgcacgcc | ttccttggtc | 1080 |
| ttggcagagc | actcgaggta | gtcgtaggct | tggatgcgca | cggccatggc | gcggccgtca | 1140 |
| tcggtgcgca | cgggttctctg | cttcatgcgg | gccagctctg | tgcggacatg | ctcgctcgctg | 1200 |
| cgcaggctctt | ttttgttggc | caccaggatg | atgggcacat | tgggacagaa | gtgcttcacc | 1260 |
| tcggggaccc | acttctcggg | gatgttctcc | agcgagtcgc | ggctgtccac | cgagaagcac | 1320 |
| atgagaatga | cgtcggtgtc | cgggtaggag | agcggccgca | ggcggtcgta | gtcctcctgg | 1380 |
| cccgcctgtg | cccacagcgc | cagctccacc | tgcttgccgt | ccacctcaat | gtcggccaca | 1440 |
| tagttctcga | agacggtggg | cacgtacacc | tcggggaact | cgctcttact | gaacacgatc | 1500 |
| agcaggcacg | tcttgccaca | cgcgccgtcg | cccaccacca | ccagcttctt | gcggatggcc | 1560 |

| | | | | | | |
|------------|-------------|------------|------------|------------|-------------|------|
| gccatgagcg | ggccggggccc | gggcagcagg | agggggcccg | cgaacgcctc | gctgccectcc | 1620 |
| cgctcgccgc | tcactgctca | ccctggggct | gcgcgcaggt | ggcgagaagg | ggtcgctagc | 1680 |
| tgcacccggg | cccccgcggtg | gcncgcggtt | tctctccgct | ggcgctttcg | gctggccgcg | 1740 |
| gcggggggcg | gtgggggggt | ccggggggca | taaagggcgc | accagtgtt | cttagccgcg | 1800 |
| ctgctcccg | ggcggtggtc | gctctgctca | ccccaggccg | gggatcgcc | ggctttgtgg | 1860 |
| cgtaacgcgg | ggctcgggca | gcagactcgg | gcggtggact | cggcctagct | ctctcccg | 1920 |
| tctctccggg | cctcgctgag | catacaagac | aacagctcca | accacactg | | 1969 |

<210> 7381

<211> 2041

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (116)...(1059)

<223> similar to gi6006498 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7381

| | | | | | | |
|-------------|------------|------------|-------------|-------------|------------|------|
| atcctgggtt | ggaggaggtg | gcggccgctg | aggctgcggc | gtgaagacgg | cgggcatggt | 60 |
| ggggcgggag | aaagagctct | ctatacactt | tgttcccg | agctgtcggc | tggtggagga | 120 |
| ggaagttaac | atccctaata | ggagggttct | ggttactggt | gccactgggc | ttcttggcag | 180 |
| agctgtacac | aaagaatttc | agcagaataa | ttggcatgca | gttggtgtg | gtttcagaag | 240 |
| agcaagacca | aaatttgaac | aggttaatct | gttggtattct | aatgcagttc | atcacatcat | 300 |
| tcatgatttt | cagcccatg | ttatagtaca | ttgtgcagca | gagagaagac | cagatgttgt | 360 |
| agaaaatcag | ccagatgctg | cctctcaact | taatgtggat | gcttctggga | atttagcaaa | 420 |
| ggaagcagct | gctgttggag | catttctcat | ctacattagc | tcagattatg | tatttgatgg | 480 |
| aacaaatcca | ccttacagag | aggaagacat | accagctccc | ctaaatttgt | atggcaaaac | 540 |
| aaaatttagat | ggagaaaagg | ctgtcctgga | gaacaatcta | ggagctgctg | ttttgaggat | 600 |
| tcctattctg | tatggggaag | ttgaaaagct | cgaagaaagt | gctgtgactg | ttatgtttga | 660 |
| taaagtgcag | ttcagcaaca | agtcagcaaa | catggatcac | tggcagcaga | ggttccccac | 720 |
| acatgtcaaa | gatgtggcca | ctgtgtgccg | gcagctagca | gagaagagaa | tgctggatcc | 780 |
| atcaattaag | ggaacctttc | actggtctgg | caatgaacag | atgactaagt | atgaaatggc | 840 |
| atgtgcaatt | gcagatgcct | tcaacctccc | cagcagtcac | ttaagaccta | ttactgacag | 900 |
| ccctgtccta | ggagcacaac | gtccgagaaa | tgctcagctt | gactgtccta | aattggagac | 960 |
| cttgggcatt | ggccaacgaa | caccatttcg | aattggaatc | aaagaatcac | tttggccttt | 1020 |
| cctcattgac | aagagatgga | gacaaacggg | ctttcattag | tttatttgtg | ttgggttctt | 1080 |
| tttttttttt | aaatgaaaag | tatagtattg | ggcacttttt | aaagaacaaa | ggaaatagtt | 1140 |
| ttgtatgagt | actttaattg | tgactcttag | gatctttcag | gtaaatgatg | ctcttgcact | 1200 |
| agtgaatttg | tctaaagaaa | ctaaagggca | gtcatgccct | gtttgcagta | atttttcttt | 1260 |
| ttatcatttt | gtttgtcctg | gctaaacttg | gagtttgagt | atagttaaatt | atgatcctta | 1320 |
| aatatattgag | agtcaggatg | aagcagatct | gctgtagact | tttcagatga | aattgttcat | 1380 |
| tctcgttaacc | tccatatttt | caggattttt | gaagctgttg | accttttcat | gttgattatt | 1440 |
| ttaaattgtg | tgaaatagta | taaaaatcat | tggtgttcat | tatttgcttt | gcctgagctc | 1500 |
| agatcaaaat | gtttgaagaa | aggaacttta | tttttgcaag | ttacgtacag | tttttatgct | 1560 |
| tgagatattt | caacatgtta | tgtatattgg | aacttctaca | gcttgatgcc | tcctgctttt | 1620 |
| atagcagttt | atggggagca | cttgaaagag | cgtgtgtaca | tgtatttttt | ttctaggcaa | 1680 |
| acattgaatg | caaacgtgta | tttttttaat | ataaatatat | aactgtcctt | ttcatcccat | 1740 |
| gttgccgcta | agtgatattt | catatgtgtg | gttataactca | taataatggg | ccttgtaagt | 1800 |

```

cttttcacca ttcatgaata ataataaata tgtactgctg gcatgtaatg cttagttttc 1860
gtgtattttac ttcttttttt aaatgtaagg accaaacttc taaactaatt gttctttttgt 1920
tgctttaatt tttaaaaatt acattcttct gatgtaacat gtcatacata caaaagaata 1980
tagtttaata tgtattgaaa taaaacacaa taaaattaac acttgatcca gaaaaaaaaa 2040
a 2041

```

```

<210> 7382
<211> 660
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (42)...(435)
<223> similar to gi495273 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7382
cggacgcgtg ggcggacgcg tgggctttcc ggcgcgccac aatggtgcgc atgaatgtcc 60
tggcagatgc tctcaagagt atcaacaatg ccgaaaagag aggcaaacgc caggtgctta 120
ttaggccgtg ctccaaagtc atcgccgggt ttctcactgt gatgatgaag catggttaca 180
ttggcgaatt tgaaatcatt gatgaccaca gagctgggaa aattggtgtg aacctcacag 240
gcaggctaaa caagtgtggg gtgatcagcc ccagatttga cgtgcaactc aaagacctgg 300
aaaaatggca gaataatctg cttccatccc gccagtttgg ttccattgta ctgacaacct 360
cagctggcat catggaccat gaagaagcaa gacgaaaaca cacaggaggg aaaatcctgg 420
gattcttttt ctagggatgt aatacatata ttacaaata aaatgcctca tggactctgg 480
tgcttccact tggctcgtttt gagcctttac agcagtgtag ccacagcttc tgcggcagca 540
tgcagttgct tcgtttatcg aagaatgcga ttccctgaag tgactaatac agccaaggga 600
aaaagttctt atgaaaccag tatgcctaag aaacagtcac cctgctgtc tgccaaaacc 660

```

```

<210> 7383
<211> 1146
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (975)...(543)
<223> similar to gi3874176 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7383
tgttgttgtt gttttttaaa tcaccctccc attactcaac attctcgttc ccagatgaat 60

```


| | | | | | | |
|-------------|-------------|-------------|------------|------------|------------|------|
| tttaaactgg | gagttgcacc | aactgtgaga | cagcctcaac | cccaatgtta | aatactacca | 120 |
| gttttatata | tatatatata | tatatatata | tataaagact | gaaaacagtt | ctctctggaa | 180 |
| aacgatccac | caaccttttt | atgggaagaa | ggtcttctct | aacacttta | cttaagggaa | 240 |
| gaagtgatgg | agaggaagaa | ggaaagtaca | ctggccaata | ctctggaaac | tgactgactt | 300 |
| ggggtatctg | tgggtccaaag | aggatcccg | aagacagtga | ctctgtctca | atgattattc | 360 |
| ccatcccaat | taaaagtc | aatgacagca | tttacattca | cacaggtct | ctttccaaga | 420 |
| agtttgtgag | tcacctacat | gtcttcaatt | ctcaaggcaa | cagtgggggc | aacaaggagg | 480 |
| ttgacagcca | ggtcctgtga | gagctgtttg | tcaaagccca | ctctcagtga | gtcagtcctt | 540 |
| ggaagttggg | ttcagtgac | ggaggcagg | ccactgactg | gcttagcaac | gtgtccatca | 600 |
| tgctgatttt | agcatcttgc | ttctcaatgt | cctcatacgg | agtcaggac | aagtcagtct | 660 |
| gtagtttgta | ggcaccaagg | aagtcagtgt | gacaacttgt | ccccattcc | tttggagaaa | 720 |
| tgatggaaaa | atactgctga | ccactctccc | gtttatagag | atagtaa | ttgccaggtt | 780 |
| ttttcactat | attacaagct | acatgggtgca | ggttggc | tctgtgagca | tcttccagta | 840 |
| ccttctctggc | ttgttcttgc | aaatgttgg | tttgctcagc | tatgactgtc | agcttgttgg | 900 |
| tggcatttgc | tcggatgaat | tcacagcct | tctgcacctg | ctctgcgagc | gccacgaggt | 960 |
| ctaaggggtc | cccgcccg | tgggtgtggt | aggggtcac | cagggccagg | ccgccggggg | 1020 |
| tcggggtgag | ctccaccagg | gtcctcctt | ggcctgcagc | tggcgcgct | ccttgctttt | 1080 |
| caaggacccc | ctcggtccgc | ccggcgcg | cggcgctctc | catgacagcg | ccttatccct | 1140 |
| cgtgcc | | | | | | 1146 |

<210> 7384

<211> 1571

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1480)...(365)

<223> similar to gil59767 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7384

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| tttttttttt | ttcaaactgc | tttactatac | tttattgata | taaatacagc | aaatctcaat | 60 |
| aagcaccagc | taccatttta | ccactacaca | agagaaacaa | agtcaaaaga | attatatatt | 120 |
| aatgcaaaga | gtaaacacag | aatgctttca | cttccactat | agtcctctat | aacaaaacat | 180 |
| cctacatact | ttgtacaatt | tgcttataat | tggttaaata | tttgatatga | agcaagggtg | 240 |
| atttttaatc | aaacttctat | ttctcagtgg | aaaatgctct | cttcatcaga | ggtgggtgag | 300 |
| ttttcccgac | atcaaacatc | atttccaaag | gtgggttatt | gagagaacac | caatcaggta | 360 |
| tacggcccg | ctgattataa | tattcctttg | aaacagaacg | gtcctcaagt | atatcttgta | 420 |
| atgctccaaa | aatagccctt | cccaaccagg | ccacacaatt | agcttttgca | ggtggagtat | 480 |
| gaattcgaaa | tgtcttagtg | ccaagtgtt | ttttatattt | tggtttttct | accaaatacc | 540 |
| ttatttctgc | aagcaatctg | tggagaatc | ctggcaacat | agaagtgcc | cctatgacta | 600 |
| ccaaattctc | tgctagtgtg | ttcctgggtg | ctatcggaca | ctgtataagg | gaatccaata | 660 |
| ttaaagtggc | aactgattgc | tcttcattat | cttggttcaa | aagaatttcc | acaactgaat | 720 |
| ctctgattga | tccaaggata | tgtaaaatct | tctctccatc | taatggatag | tcaacatttg | 780 |
| ggggtgggga | gggacgctca | ttattcccat | caatattaaa | ttttgctgct | tggattttta | 840 |
| gtcctcgctt | cagatcactt | acaagcaag | tacgcgcttt | aatgtcctct | aagacacctt | 900 |
| ccggaactga | acccatcact | gaggaaggc | tctgttcttt | agcaacactt | gtgtcaacag | 960 |
| tacattgttc | caatagtgtg | gtttccaact | ctttgtgaag | agcttttctt | cctaggggta | 1020 |
| gtgctcccca | acaatttaga | actgggattc | cttcatatat | gggtaacacc | aggctttccc | 1080 |

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|------|
| tatatccaca | atctaggacc | atggcagaat | taattccaag | cgtcagaaga | gccattagat | 1140 |
| gacttggagc | aagcaagaca | gatggaacct | caaaatattt | gaaaagaaca | cgagtgagtg | 1200 |
| tctctctgaa | gtgagaagga | cataataccg | attcgataat | cacaactcgg | cggtctcttg | 1260 |
| gattcaccaa | tagatgcctg | aaatatagta | tgtggatgaa | ttccttttagg | taggaatata | 1320 |
| attcttctgt | attgatatta | tactgaacaa | ctctgacagg | cttaggcac | ccagctcttt | 1380 |
| ttatcacact | aggaattata | catcttggac | cagtttctcc | agcaaatacca | cacttggtaa | 1440 |
| aggcctctcc | caggtcgatc | acgaccgccg | tcttctcccc | gccgctcccc | aggccctcgt | 1500 |
| agagcggcat | ggtagtaagg | cagactgaga | gaagagggtc | gcagtctccg | cggccaacaa | 1560 |
| gtctcacgaa | a | | | | | 1571 |

<210> 7385

<211> 1947

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (20)...(821)

<223> similar to gi5070698 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7385

| | | | | | | |
|------------|-------------|------------|------------|-------------|------------|------|
| cccacgcgtc | cgcgctgaga | tgggggcggc | ggcggcgga | gcggatcgca | ctctctttgt | 60 |
| gggcaacctt | gaaacgaaag | tgaccgagga | gctccttttc | gagcttttcc | accaggctgg | 120 |
| gccagtaata | aaggtgaaaa | ttccaaaaga | taaggatgg | aaaccaaagc | agtttgctt | 180 |
| tgtgaatttc | aaacatgaag | tgtctgttcc | ttatgcaatg | aatctactta | atggaatcaa | 240 |
| actttatgga | aggcctatca | aaattcaatt | tagatcagga | agtagtcag | ccccacaaga | 300 |
| tgtcagtttg | tcatatcccc | aacatcatgt | tggaaattca | agccctacct | ccacatctcc | 360 |
| tagcaggtac | gaaaggacta | tggataacat | gacttcatca | gcacagataa | ttcagagatc | 420 |
| tttctcttct | ccagaaaatt | ttcagagaca | agcagtgatg | aacagtgcct | tgagacaaat | 480 |
| gtcatatggt | ggaaaatttg | gttcttcacc | tctggatcaa | tcaggatttt | caccatcagt | 540 |
| tcaatcacac | agtcatagtt | tcaatcagtc | ttcaagctcc | cagtggcgcc | aaggtacacc | 600 |
| atcatcacag | cgtaaagtca | gaatgaattc | ttatccctac | ctagcagata | gacattatag | 660 |
| ccgggaacag | cgttacactg | atcatgggtc | tgaccatcat | tacagaggaa | agagagatga | 720 |
| tttcttctat | gaagacagga | atcatgatga | ctggagccat | gactatgata | acagaagaga | 780 |
| cagtagtaga | gatggaaaat | ggcgctcatc | tcgacactaa | cacatgttaa | aaggacattg | 840 |
| tttttatagg | gtcatttttag | gccctttgac | taagttgata | tggaaatatt | ttgttgaaaa | 900 |
| actgtacaga | gcagctttac | aagttgtcac | atttctttat | aaattttttt | aaagctacag | 960 |
| tttaatacaa | aatgaattgc | ggttttatta | cattaataac | ctttcacctc | agggttttat | 1020 |
| gaagaggaaa | gggtttttatg | caaaagaaag | tgctacaatt | cctaatacatt | ttagacactt | 1080 |
| taggaggggg | tgaagtgtga | tgataaagca | gatattttaa | ttatttggtta | tctttttgta | 1140 |
| ttgcaagaaa | tttcttgcta | gtgaatcaag | aaaacatcca | ggttgacagt | ctaaaatggc | 1200 |
| tactggtatt | ttagttaatt | caaaaatgaa | acttttcagt | gattcacttt | actaacattc | 1260 |
| tatttgagaa | ggcttatttg | taaagtttgg | ggataaaggc | attgcttaac | ttcttatata | 1320 |
| atttaggtat | aaattctgtg | acatgctctt | gagctttacc | ctagttgaac | atacatgtgt | 1380 |
| agatttacac | atactgtttc | attctaaaat | ttagaaattg | ttcattaaat | cccatttgag | 1440 |
| gtataagtca | ctcaggaagt | taaaatatct | ctacacgtat | atttttacat | taaaaataca | 1500 |
| gtgttagcat | aaatcccctt | ttcaggaaga | acaaaaatgt | cagtgcatag | ttagataaaa | 1560 |
| tggtaaaatg | ttttactgaa | agcatacttt | tttggaat | agattcatga | agcctttaag | 1620 |
| tgctgcttct | gtcagtcaaa | cgtaaaaaac | tttaacattt | tcaaagtgcc | cagactgtgt | 1680 |

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|------|
| acaaagacac | atgtaatgga | gattgtacag | gttggtttttt | tgtttgaacc | tttgaaagag | 1740 |
| tttaattctta | acgttttcta | attttaaaat | ttttaaactct | tgtttaacaa | aagcttgtat | 1800 |
| taagatactg | ttttcatttc | attacagaat | tgttttataaa | agttcatttg | ttgaaaaata | 1860 |
| aggatccttt | ttaataccac | agcatttgta | ctgttccttt | ttaatatata | gaaaaaataa | 1920 |
| aagggagggg | gtgtgttaaa | aaaaaaa | | | | 1947 |

<210> 7386
 <211> 2660
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (298)...(1458)
 <223> similar to gi5533003 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|------------|------------|------------|-------------|-------------|------------|------|
| <400> 7386 | | | | | | |
| agcgctcctc | cttcgggtga | aagtcgtcgg | gttcccagcc | gggagtctgc | ggagttctca | 60 |
| tactctgtta | cccagcttcc | tttgtatgag | ggctgttgcg | cacttccggt | ggaagcgctg | 120 |
| aagcgagtgg | gtggagttta | cggagccggt | gggcggtagg | cggtgctacg | ggtagctggg | 180 |
| tgctgtccaa | aggcgacagg | gcgtcgttag | gggagcgagt | cgtgaccggt | tgggccacac | 240 |
| tcaacgtggg | acgaagcttc | gcctactggt | tgactacgtg | cgtgcagcct | ccctcgatg | 300 |
| tcggccctcg | aaaagagcat | gcacctcggc | cgccttcctt | ctcgcccacc | tctaccgggc | 360 |
| agcgggggca | gtcagagcgg | agccaagatg | cgaatgggccc | ctggaagaaa | gcgggacttt | 420 |
| tcccctgttc | cttgaggtca | gtattttgag | tccatggaag | atgtagaagt | agagaatgaa | 480 |
| actggcaagg | atacttttcg | agtctacaag | agtggttcag | aggggtccagt | cctgctcctt | 540 |
| ctgcatggag | gaggtcattc | tgccctttct | tgggctgtgt | tcacggcagc | gattattagt | 600 |
| agagttcagt | gtaggattgt | agctttggat | ctgcgaagtc | atgggtgaaac | aaaggtcaag | 660 |
| aatcctgaag | atctgtctgc | agaaacaatg | gcaaaagacg | ttggcaatgt | ggttgaagcc | 720 |
| atgtatgggg | accttcctcc | tccaattatg | ctgattggac | atagcatggg | tgggtctatt | 780 |
| gcagtcacac | cagcatcatc | caacctggta | ccaagcctct | tgggtctgtg | catgattgat | 840 |
| gttgtagaag | gtacagctat | ggatgcactt | aatagcatgc | agaatttctt | acggggctgt | 900 |
| cctaaaacct | tcaagtctct | ggagaatgct | attgaatgga | gtgtgaagag | tggccagatt | 960 |
| cgaaatctgg | agtctgcccc | tgtctcaatg | gttggccaaag | tcaaacagtg | tgaaggaatt | 1020 |
| acaagtccag | aaggctcaaa | atctatagtg | gaaggaatca | tagaggaaga | agaagaagat | 1080 |
| gaggaaggaa | gtgagtctat | aagcaagagg | aaaaaggaag | atgacatgga | gaccaagaaa | 1140 |
| gaccatccat | acacctggag | aattgaactg | gcaaaaacag | aaaaatactg | ggacggctgg | 1200 |
| ttccgaggct | tatccaatct | ctttcttagt | tgtcccattc | ctaaattgct | gctcttggtt | 1260 |
| ggtgttgata | gattggataa | agatctgacc | attggccaga | tgcaagggaa | gttccagatg | 1320 |
| caggtcctac | cccagtgtgg | ccatgcagtc | catgaggatg | ccctgacaa | ggtagctgaa | 1380 |
| gctgttgcca | ctttcctgat | ccggcacagg | tttgacagaac | ccatcgggtg | attccagtgt | 1440 |
| gtgtttcctg | gctgttagtg | acctgctgtc | cacccctcct | caacatcgag | ctctgttgta | 1500 |
| aatacgtcgc | accagaggcc | actgtgatgc | cactgtctcc | tctccatccc | gccagccat | 1560 |
| gtgacactgg | ctccccgtag | acgggcaccc | cgagatgtac | caaccttttc | atgtattctg | 1620 |
| ccaaaagcat | tgttttccag | ggcccttgac | caacatcggc | ttccccagtc | cagggtcccc | 1680 |
| ctgctccttt | cccttccttg | tactggggta | gctcctgcct | gctctccctg | cgttgccctg | 1740 |
| ggtaaagcct | ccagatttgc | catactgagc | ccctcttcct | agcatcaggc | gatacatctg | 1800 |
| agttcaaatg | tcttcccagg | ctcagggacc | tccattcctt | gagattgtct | tggcatggcc | 1860 |
| cagccctgcc | tcatgggatg | gacaatgcat | ggggtggtct | ttatttttcc | ctttcaaata | 1920 |

| | | | | | | |
|------------|-------------|-------------|-------------|------------|------------|------|
| aaacactagt | caggtaccgt | tttatcccag | tcgtactcct | ccaggtttgg | aagaccaga | 1980 |
| gaggccaaga | tcccatcctt | agccatagcg | agcggtggtg | gtggatagca | tcacaagaaa | 2040 |
| cgagcctgaa | aatcagggtcc | agccgggtcca | agcacatggc | ctcccatctg | ggagagccca | 2100 |
| ctgtcccact | cccacatgtc | tgggcacctg | ccctgggctg | aggccaggct | gctccagggg | 2160 |
| cctcctgcgc | cctcacctgc | cacagagcaa | cccagggttaa | atacagccca | tgcacaaagc | 2220 |
| cacaggccaa | agcctatgga | attgttttta | atcatcaaat | ttaaccattt | tcataactgg | 2280 |
| ttcctggagg | tgtgcagtgc | ccccttgcct | cttcaaacct | acagcttctc | tttgccattt | 2340 |
| gtggatttca | catcactcca | cacagaaaca | ttacagcctg | gcatccccag | tctttgcctt | 2400 |
| cttcagctg | cctcgacaca | gcactgtggc | ctgtccctat | tgcccaggca | cgccatttcc | 2460 |
| aagggcagga | aggggcagtg | tccctgaagcc | catcttttct | gtgactgtct | taggtgatgt | 2520 |
| gtagccccct | ccacctttcc | actcaacaac | ctcccccccc | tgtcctgctg | catggtccgg | 2580 |
| agtctgggac | ctactttgtt | ttttgttatt | tatgaccttg | tttaaagaaa | ataaatatct | 2640 |
| cccaaccttt | aaaaaaaaaa | | | | | 2660 |

<210> 7387

<211> 1074

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (442)...(823)

<223> similar to gi438652 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7387

| | | | | | | |
|------------|-------------|-------------|------------|-------------|-------------|------|
| ggcctgaagt | acccaagtcc | ccgagggcgc | gccttccccg | ggaatttaat | tcaggacaat | 60 |
| aatgttttat | tgagcgcta | ttgtgaatca | gacactgagc | agtaagcgtc | ggagaaacag | 120 |
| gtgaatgata | ccggggaaaa | gtcattccct | gtgtgtagcg | tctagggcag | cctttgccct | 180 |
| ggttccagca | gatgggttgt | ctcttcatag | tctatgcatt | tctgaagacc | ccacggtgaa | 240 |
| gggctgcaag | gatgaagctg | tcccagagta | tctccagagt | gcagatccct | tggctgccag | 300 |
| gtcatgttct | ctcttcctct | caactgctct | cccgaccata | taaggagagg | cagctgctgg | 360 |
| gggcgtcccc | aggatctaaa | gatagcttcc | gctgcctgga | actctaaatg | ccaccctgga | 420 |
| gcgggagccg | caatggcacg | gcagcacgcc | cggaccttgt | ggtacgcacg | gcccaggatat | 480 |
| gtgttcatgg | agtttttgtg | tgaggacagc | accgatgtcc | acgtgcttat | tgaggatcac | 540 |
| cgcatttgtg | tcagctgcaa | gaatgccgat | ggagtggagt | tgtacaatga | gattgagttc | 600 |
| tatgccaag | tgaactccaa | ggactcccag | gataagcgct | cttcccgcctc | tattacttgt | 660 |
| tttgtgagaa | aatggaagga | aaagggtggc | tggccgcggc | ttaccaagga | ggatatcaag | 720 |
| ccagtgtggc | tgtctgtgga | ctttgataac | tggagagact | gggaagggga | tgaagagatg | 780 |
| gagctggctc | atgttggaaca | ttatgcagag | gtgagagaca | acacctactg | tgttctgccc | 840 |
| acttgatcat | tcttttgtgt | tctctgcaca | catgtctctg | gaggattgtc | actggggcca | 900 |
| agcagagata | tgcaagctct | ctaggcagggt | tactcattga | tgctgatatt | ctttacgtat | 960 |
| tttgtgcaat | gtttatttta | tagggatgag | aggaaagaat | attattgaaa | ttatatacat | 1020 |
| tgattcactt | attcagtgtg | gagcctgtat | tctgaagaag | tttgacaaaa | cggtt | 1074 |

<210> 7388

<211> 1111
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (882)...(245)
 <223> similar to gi4929705 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7388

| | | | | | | |
|-------------|------------|-------------|------------|------------|-------------|------|
| tttttttttt | ttctgcagca | gattttttatt | agatggaaga | taacaagcat | tacctcatag | 60 |
| gtaagtggta | agaaatggca | agtacagcca | agccacagag | gagtgaggac | attactggct | 120 |
| atgggaatgg | gtacttatga | aatctaaggg | ttgggtctcc | tgatgaactc | taactaccca | 180 |
| gtaagctctt | ctctttggca | ctcaatatga | ccactgctgg | catgaaaggg | tctacagtag | 240 |
| ctacttcaac | ttggccaaca | gttcttccag | ttctggtcga | gctttgaatc | gtcccttgaa | 300 |
| gtctttctca | gtgtgctcct | tactgacag | tctgactcct | tcaggaagac | tgctttggat | 360 |
| tatttccaag | aaaatttctg | caaacgtagc | actcaaaccg | ctgatctgaa | ccactcgctc | 420 |
| atgggtggta | agcactgagt | ccaggagcat | tttgctgcct | tggtcctgca | actgcaacac | 480 |
| ttctatgggt | ttggttggca | ttgcataact | ttctctgact | ttaatggaga | gagagttgca | 540 |
| gaggttgtga | acatactggg | cataactctc | tgccagggtc | atatcatatg | cagtcagatg | 600 |
| aatattttaa | accccatatt | cataatctgt | cccaaatta | atggctctca | cttccacttt | 660 |
| tcccttcttc | ttcttgggct | cttctgcttt | aattaagtgc | ttgtactttc | caatgccgtg | 720 |
| ggtgggcttt | gtcttgtagg | gccgactgat | acttagtaga | attccaccta | cagaatagat | 780 |
| gggtctctct | cctgaagtgc | taaaccttaa | gagagaaaag | gcttgcttaa | aaatgggtatt | 840 |
| gttctctcagg | cacagcacct | tttccaagg | tccgctcatc | ctttgctgct | gcgcggcctc | 900 |
| tagctgtgca | aaccgaagac | cggaccctgc | agccgcgttc | ccagggcgtc | tgaaaacact | 960 |
| gaaggaacgg | ccttgaccag | gtgcagcagc | aatatcccac | cgagactcac | tcaacttcca | 1020 |
| catcatttta | gttcgggaag | cttctgaaat | tcagagtcta | gaaattctcc | tgctttccac | 1080 |
| cctcactcag | gttgacatt | cactgctgtt | t | | | 1111 |

<210> 7389
 <211> 1108
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (26)...(333)
 <223> similar to gi2239219 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7389

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|-----|
| tcttcagggg | gaggaagccg | gcggcctcac | tgctatgggc | cgcaacaaga | agaagaagcg | 60 |
| agatggtgac | gaccggcggc | cgaggctcgt | tcttagcttc | gacgaggaga | agaggcggga | 120 |
| gtacctgaca | ggcttccaca | agcggaaggt | cgagcgaaag | aaggcagcca | ttgaggagat | 180 |
| taagcagcgg | ctgaaagagg | agcagaggaa | gcttcggggag | gagcgccacc | aggaatactt | 240 |

| | | | | | | |
|-------------|-------------|-------------|------------|------------|------------|------|
| gaagatgctg | gcagagagag | aagaggctct | ggaggaggca | gatgagctgg | accggttggt | 300 |
| gacagcaaag | acggagtcgg | tgcagtatga | ccacccaac | cacacagtca | ccgtgaccac | 360 |
| catcagtga | ctggacctct | cgggggccc | gctgctcggg | ctgacccac | ctgaggagg | 420 |
| ggctggagac | aggtctgagg | aggaggcgctc | atccacggag | aaaccaacca | aagccttgcc | 480 |
| caggaagtcc | agagaccccc | tgctctctca | gcggatctcc | tccctcacag | catcactaca | 540 |
| tgcacacagc | cgcaaaaagg | tcaagaggaa | acatccccga | cgggccccag | actccaaaaa | 600 |
| gcccccaagg | gccccctcgta | ccagcaaggc | ccagcgccgc | cgtctcacag | gcaaagcacg | 660 |
| gcacagcggg | gagtgagacc | gagaacgaag | cggtgcccca | gtctaggctg | cggggacctg | 720 |
| tccttgctca | gcttggtgt | ccctgtagcc | cagcctgcac | ctaggtaatg | actgcacagc | 780 |
| tcaaggttgg | gaagccagga | cctctctggc | ctggggccag | ctgcctttgc | ctggggtcag | 840 |
| ctgcctttgc | ctgggggtttg | aattccccga | ggagcaggca | gctgagagca | ggcctcccc | 900 |
| aggaagagcc | ttcagagcca | cgtgggggca | tcttcccaa | tgtgcacccc | acctggcact | 960 |
| catcagattt | gtgcgcttgt | gatttgtttg | tccttgatac | cacgcacaag | ggcagggttt | 1020 |
| tgggggtggtg | gaaatggcca | gggcccattg | gtctgtctcc | agcagttagc | cctgtggctg | 1080 |
| caataaagta | cagttctccc | tgtgttaa | | | | 1108 |

<210> 7390

<211> 1224

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1121)...(695)

<223> similar to gill185119 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7390

| | | | | | | |
|------------|-------------|------------|-------------|------------|------------|------|
| tttttttttt | ttatacaaca | ttttcagcct | ttattgagag | tacagtcac | atgccaaaat | 60 |
| tcacccatca | acatacaacc | ttatttccca | tctaaagtta | atgagaatgt | attttatatt | 120 |
| aaatgggaca | tagaggcaac | atgccaaaga | ttaaagtaca | accataaagt | tttagtttca | 180 |
| cactttgaat | atcaacaaa | cagtaattcc | taaaatcatg | aaaacatgat | aaagtatcta | 240 |
| tacagaaaaa | aatgaacatt | taagtcattt | cacgctttct | taatatcata | tagtgaaaac | 300 |
| agatgtacct | ataatttcag | cctacagata | gcatacttca | taaggtcatt | attcatttaa | 360 |
| aatagtacaa | atgtttacaa | agaacatttc | acttaaattt | cacagctgct | tataaaatgg | 420 |
| tacttgcaag | actgacctat | ataaagaaat | aagagtctca | tcaagagatg | gtaaattata | 480 |
| aatatataat | atatcacaa | gttaaaatcc | tcagtgtctaa | tcaataagat | aatgatcttt | 540 |
| ggagaggaaa | gtatttagct | ttacatattt | actgtgaatt | tacatattaa | taagaaacac | 600 |
| atttaaacct | tgccctgcca | cagaattatt | ttgcgggggg | gggggggggg | gaagatgtac | 660 |
| tttttgaata | tgtgtacatc | aaaacaaaa | agttaacttt | tactttttcc | tttattggca | 720 |
| acttttgatg | cattttttcga | ttttggttcc | cagagggcat | tttttacaaa | tcttgaagct | 780 |
| gcacctctgt | ccagcttgcc | agcctttttc | ttgtctgtta | tttccttgac | tctgttcata | 840 |
| tatactctga | ttctttccaa | ttcctgtttt | actggatgtt | ccttaggatt | aactccttgg | 900 |
| gttgccaaat | aaacccaaaa | cattgaattt | aatgtgtatg | cagaaaccaa | atccactttt | 960 |
| gcttgttcaa | gtggatccaa | cttctgcaac | aactcatttc | tagaaacaga | catcatggtc | 1020 |
| ttcagcatct | catccacagc | accaatggaa | ttctcaaacy | ctgacaaata | ctcgtgaatt | 1080 |
| tctactggat | agtcttcatt | aatttcttca | cctgccatta | tggctgacca | gctctgtccc | 1140 |
| tcacctctct | ccgggggttct | ataggtactc | cttgcccttc | cacatactcc | ttctaaaaca | 1200 |
| ctggctcacg | gccttcgact | ccag | | | | 1224 |

<210> 7391
 <211> 1699
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1700)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (116)...(1140)
 <223> similar to gi2648830 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7391

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| gtagggaaac | tgtgagggcg | gcaccggaag | tggcgagcag | tctgcgcgcg | gantggccgc | 60 |
| agcggcgatg | gcggcagcgg | caggtggagg | ggctggcgcg | gcccgcctcc | tctcgcgctt | 120 |
| ccgaggctgc | ctggctggcg | cgtgctcgg | ggactgcgtg | ggctccttct | acgaggccca | 180 |
| cgacaccgtc | gacctgacgt | cagtccctgc | tcatgtccag | agtctggagc | eggacccccg | 240 |
| cacgcccggg | agtgagcggg | cagaagcctt | gtactacaca | gatgacacag | ccatggccag | 300 |
| ggccctgggtg | cagtccctgc | tagccaagga | ggcctttgac | gaggtggaca | tggtcacag | 360 |
| atgtgctcag | gagtacaaga | aagaccctga | caggggctat | ggtgctggag | tagtcactgt | 420 |
| cttcaagaag | ctcctgaacc | ccaaatgtcg | cgatgtcttt | gagcctgccc | gggcccagtt | 480 |
| taacgggaaa | ggctcctatg | gcaatggagg | tgccatgcgg | gtggctggca | tctccctggc | 540 |
| ctatagcagt | gtccaggatg | tgcagaagtt | tgcccggctc | tcggcccagc | tgacacacgc | 600 |
| ctcctccctg | ggttacaatg | gcgccatcct | gcaggccctg | gctgtgcacc | tggccttgca | 660 |
| gggcgagctc | tccagcaagc | actttctcaa | gcaactcctg | ggccacatgg | aggatctgga | 720 |
| gggtgatgcc | cagtccgtct | tggatgccag | ggagtggggc | atggaggagc | gtccatactc | 780 |
| cagccgcctg | aagaagattg | gagagcttct | agaccaggca | tcggtgacca | gggaggaagt | 840 |
| ggtgtctgag | ctagggaatg | gcattgctgc | ctttgagtcg | gtaccacacc | ccatctactg | 900 |
| cttcctacgc | tgcatggagc | cagaccctga | gatcccttct | gccttcaata | gcctccaaag | 960 |
| gactctcatt | tattccatct | cacttggtgg | ggacacagac | accattgcca | ccatggctgg | 1020 |
| ggccattgct | ggtgcctact | atgggatgga | tcaggtgcca | gagagctggc | agcaaagctg | 1080 |
| tgaaggctac | gaggagacag | acatcctggc | ccaaagcctg | caccgtgtct | tccagaagag | 1140 |
| ttgatgaggg | ctacagctgt | tggggctctg | ccaggtcccc | tgggaccaac | tacagctcca | 1200 |
| atcagaaaac | ctgcgcttcc | ttgagtgtgg | cttcccactt | ttcctgcatt | gtggagctga | 1260 |
| ctgagtacac | cggtgagget | ggggtctctg | caggggaggt | cactggaaca | gcgagcaagg | 1320 |
| gactggtgcc | tcgctgggtc | tgggtctctg | gtttgctgca | gagccgtagg | acactcctgg | 1380 |
| ctcctcagta | ggacagacag | acgcaggcgg | gtttattttg | gaggggtact | tgtggcattt | 1440 |
| tctctgattg | tcttggacat | gggatgtggg | gaggtggaaa | tgatgagcag | tagcatcatt | 1500 |
| tctccctggt | gggttttagc | cagtttgcca | gcaagcgcac | cctagcaggg | tccccgagca | 1560 |
| gcaggttggtg | tggatgaagg | gacaggcact | tgcattccag | tgatctaggt | cacacctggc | 1620 |
| tcttggtcgc | catgtggctt | attaacagct | tccagtggaa | gtcgcaataa | acagtttttg | 1680 |
| gtaaattctca | aaaaaaaaa | | | | | 1699 |

<210> 7392
 <211> 1568
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1007)...(624)
 <223> similar to gi2388963 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7392

| | | | | | | |
|------------|------------|------------|-------------|-------------|-------------|------|
| tttttttttt | ttaagtcaca | gaaactttta | ttggaaagaa | acgagctgca | gcaaagtgac | 60 |
| actcagtgc | cgcgccaaa | tgggcgaggt | gggggtacag | gtgggcaccg | gggcccggccc | 120 |
| aagaccagag | ccggtgactg | ctggggcctg | ctcgtggggc | ctccggccac | agaccctttg | 180 |
| ggctggagtg | tgcaggccca | gtagaaatac | aaaaataaac | tctgcggtcc | agctgtccct | 240 |
| gctgtggcag | ttcatttggg | cagggcagtc | gctcctccca | ccaggccccc | tgctgacaag | 300 |
| tccggccaca | gcatgggcag | caggagtctg | aggggtgagt | gggcatccac | aggatggagc | 360 |
| caaagggcta | ggcaggtatg | gccttgggca | gtgccaggac | tgtggcagcg | ccagggtctg | 420 |
| gccagcagct | ggggaggccc | caggggcctc | tcaggtggac | aggtccaggc | attggttgaa | 480 |
| gctggatgaa | gctggggcct | cggctcctcc | tcatcaaata | cagatcactg | ggaccctgtc | 540 |
| ctcctccatg | gtgctgggtc | cctcgccccc | actgcccctg | cttctgcttt | cttccctccac | 600 |
| ctcctcctcc | cccagctcca | tgtccagctc | gttgccctgc | tctgaggggtg | tgtaggtgga | 660 |
| gccactgatg | gaacggcagc | taaagaagac | gattcgcttg | agccgcttgt | tgtagaagaa | 720 |
| gtagttgaag | gaccagaggc | taccatcctc | cccgaaggga | tctgagtcga | agtctgggtt | 780 |
| atagctgtag | atgtcacatt | cagccaggca | gatctcctcg | tccaccgcgt | tccacagctg | 840 |
| tggtttcaga | tccttgaagt | cctcccgcac | agctgagaac | agactgcagt | tgactgcatt | 900 |
| caccacccag | ctaaggctgg | gctcccggct | gaactcatgg | ctgcgggctg | tgctgaagtc | 960 |
| atagtcaggc | ctgaaggact | cattgagcgt | ggcaatcagg | tagaagaggg | tcttgcggtc | 1020 |
| gcacttgcca | ctgagggggc | cctcctcctc | accgccttgg | cttttgctga | gtctgctggg | 1080 |
| gctcagtcct | gaagtctggg | gtggagaaag | tgccctccagc | acgtgggggt | ggccctcctg | 1140 |
| gcagaactgc | ttgaacatgt | gtttgtcgtc | tcctgccatc | ttacatgagt | agctctcaat | 1200 |
| cctgccaatg | atgtgggcat | ctccggtctc | cacagtcagc | tgtgagttga | tggtttcaaa | 1260 |
| gctcgagttc | tccaatagct | tcattgtctt | ggggaaggag | ctccgtgctc | cagagggggt | 1320 |
| agtattgcct | gcctggctgg | gttagatcca | ggccgcgcgg | agccgggtct | ggctgggctg | 1380 |
| agctccgcgt | cgggtgccgg | gcgcaggcgg | gggcgggctc | ggcagcgcgg | gctcttcaag | 1440 |
| atcggaggcg | gcgcggcct | ccgctcgggc | cgcactgtat | ccgggggaag | aagtcgcgcg | 1500 |
| cgacgtccca | attaacatca | cgccctgcac | gcgatccggg | ctgccaccgc | gacatagcct | 1560 |
| cgcccccc | | | | | | 1568 |

<210> 7393
 <211> 1524
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (89)...(485)
 <223> similar to gi975631 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7393
ccgcgaaacc tagtgctgaa gtaggcgcgg acgtgcccgg tgccctggcgc gtggtagcag      60
gcgcccgggtg ccccggccgg cgaagaccat ggcgttcacg gtgaagacca tgggtgggcgg      120
ccagctgaag aacctcactg ggagcctggg aggcggcgag gataaggag atggggacaa      180
gtcggcagcc gaagctcagg gcatgagccg ggaggagtac gaggagtatc agaagcaact      240
cgtggaagag aagatggagc gggatgcaca gttcacacag aggaaggcag agcggggccac      300
actgcggagc cacttccgag acaaataccg gctaccaag aacgagacag atgagagcca      360
gatccagatg gcaggtggag acgtggagct gccccgggag ctggccaaga tgatcgagga      420
ggacacagag gaggaggagg agaaggcctc agtccttggg cagctggcca gccttcctgg      480
cttgaacctg ggctcactca aggacaaggc ccaggccaca ctgggggatc tcaagcaatc      540
agctgagaag tgtcacgtca tgtgacctc tccccggggg taccactagg gctgggcccc      600
catgagggct aagagtgtgt caacttccag ggaccatac tccatttggg gctttgtttc      660
ccttgcccca tcctagttcc aagacctttc ccatccatgc cccaagccta tcttctgggt      720
tcttcctctc cgctgggagt aaagtcccca tcttactct acccttcagg accctcccca      780
ccagctcagc ctgtggaggc ctcccaagat tgtaggaata ggcccatccc tctctggcca      840
tggccccaag ttcctgcaca caggagcacc cacagagaga cacacacagg acacaaaacc      900
cctggcacgt tcagagacag aagccacaga cacatcccgg cacagacaga cacacacgag      960
gccagctccc ttgctgttcc agcccctcca gacaccacca ctcagaaact ctgagagaga     1020
gcatgggcag acaccctcag cagacaggag gcctgagttc cagtctccac ctttattgtt     1080
cttgaaagcc cctgctctct ctgagcctta tttcatcatc tgtaaaatgg gaatgtcctg     1140
aatgacttct aaggctcttt ctggcttgaa ctgtcagagc caagcccaca tccctccttg     1200
ggcagggcag cagctgtctc cacagcctcc agcggctgcc actgtgggct ctgggagccg     1260
gagcgatgct gtgtgagagg cagagtgcc aaggatgaagc tggcactgaa cagtaagcgg     1320
ctccaggcct cctctggggc caggggccag ccaatttctg ttctgttctt gtagaacgct     1380
ctctggattc catagctgga atctcctctc ttagctcagt gaaaaataaa aatcccaaat     1440
ggtgtgccta ccttcccact tcttactggc ttccaggagt cttggagtgc atagccccc     1500
gagcctgcct taaaggggtg cctc

```

<210> 7394

<211> 1463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (77)...(892)

<223> similar to gi29636 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7394
cgccatgctt ggcacgaggg agcccagccg gcgcggagcg ggagcgggtc aggctgaggt      60
ctccgagcgg ctgcctatgg ctggcccgcg gcagcagccc ccttacctgc acctggccga     120
gctgacggcg tcccagttcc tggaaaatag gaagcacttt gacgcagacg gaaatgggta     180
tattgaaggt aaagagctag aaaacttttt ccaagagctg gagaaggcaa ggaaaggctc     240
tggcatgatg tcaaagagtg acaactttgg agaaaagatg aaggagtcca tgcagaagta     300

```

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|------------|------|
| tgataaaaac | tcagatggga | aaatcgagat | ggcagagctg | gcgcagatcc | tgccaaccga | 360 |
| agagaacttc | cttctgtgct | tcaggcagca | cgtgggctcc | agcgccgagt | ttatggaggc | 420 |
| ttggcggaag | tacgacacag | acaggagtgg | ctacatcgaa | gccaatgagc | tcaagggatt | 480 |
| cctgtcagac | ctgctgaaga | aggcgaaccg | gccgtacgat | gagcccaagc | tccaggaata | 540 |
| cacccaaacc | atactacgga | tgtttgactt | gaacggggat | ggcaaattgg | gcctctcaga | 600 |
| gatgtcccga | ctcctgcctg | tccaggaaaa | cttcctgctt | aaatttcagg | gcatgaagct | 660 |
| gacctcagag | gagtttaacg | cgatcttcac | atttttacgac | aaggatagaa | gcggctacat | 720 |
| tgacgagcat | gagctggatg | cccttttgaa | ggatctgtac | gagaaaaaca | aaaaggaaat | 780 |
| gaatattcaa | cagctcacca | actacagaaa | gagcgtcatg | tccttggcag | aggcagggaa | 840 |
| gctctaccgc | aaggacctgg | agatttgtgct | ctgcagcgag | ccccccatgt | aaagtgggga | 900 |
| cgggggctgc | ttctccacct | cccccaaacc | ctgcttctgc | tgccctgatg | cgtctacca | 960 |
| gactcagaga | ccgtgagcgc | cccgccccca | cccctacagc | ctgcacacac | ctgcctgcag | 1020 |
| agcaggaaat | gagagataga | ggatgggcag | ctggggggct | gtcctgagcc | ccctgcaccc | 1080 |
| accctgccc | aggcagctct | tgctcagtgg | atcacacaca | tggaagggtga | tgggggcatg | 1140 |
| gggtggagggt | ccctaattct | cttcgctgtg | atgcatgagc | tccctcgctg | tatgatttag | 1200 |
| gcttctatgt | ccaacagagt | ggactcttcc | ctctcgctcc | cctctgccgg | tcccccatgc | 1260 |
| caccacccac | cccaaacttc | caggttccat | ccaccacctt | gccaatgggtg | tagctgtcct | 1320 |
| ctcagaactc | ctgtgtgtgg | aaggcacccg | ccctttcctt | gccttcttta | ctcggcgtgc | 1380 |
| tccttttctc | tttgggtttc | ttgtttacca | aagaagagtt | tacagacaat | aaaatggaaa | 1440 |
| ggtcctgctg | tggaaactta | aaa | | | | 1463 |

<210> 7395

<211> 1166

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (759)...(103)

<223> similar to gi387048 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7395

| | | | | | | |
|-------------|-------------|------------|-------------|------------|-------------|------|
| tttttttctg | tataaaagcca | aagaccttta | tttcttctctg | cctccccctg | ggaagcctcc | 60 |
| gccctgaggt | ccgctggccc | accacccctg | gggtgctcagt | ttctaccaac | atgagccagc | 120 |
| aagtccttgt | ggtagccctg | gggtagcctg | tagtagactc | gggtcctgtc | cacagcccta | 180 |
| gctgccagca | atgctgtcct | cacagaggca | tagtcgcctc | cagctgggtt | gtgctccact | 240 |
| gtgacgggtg | cccgggggga | ggatgccagc | agcctgccta | tggctccagc | tgtgctgtgg | 300 |
| cccagcagca | tggcctgcat | ctggaaggac | acaggttgcc | agagcccctg | gcacaactct | 360 |
| agcatatctg | tgagcagctg | ttccctgtag | ccactgcccc | gcacctctc | aggccagcct | 420 |
| ggtgccacag | tcacgtgggg | gaagacctca | gccacagctg | taagcagctc | tctgccagcc | 480 |
| acatggcccg | ggaccgaaaa | actcccgtgg | gagattttgg | ccccaaacca | cacaggccaa | 540 |
| tgcaagaggc | caaggctgga | gaggcgtgcc | agcaaggcca | gggatggccg | gagggctgcg | 600 |
| ggctccgcta | tttgcaaatg | gatgccccag | tgtccgggat | gtgtggccag | ctgctgcagg | 660 |
| caggactcca | gcgtcaggat | gttgccactt | ggagtatgaa | caatgggcac | ggggttttca | 720 |
| gccacagttc | cctcgaggcc | agtgttcagc | aggatcatgc | cttctgtgtc | tgggaagaggc | 780 |
| ggcagaggca | acagtgttta | ggatttggtt | tatcataagg | tgtaagagt | cccttgtaa | 840 |
| agggggcagtg | ggagttatgg | ggcatcaag | gaccttgcc | ctctggaatc | tgtcaacca | 900 |
| gttttgggct | ccagggtgat | gggttgcttt | ataaatgtgc | ctggtgcatg | agaaactctt | 960 |
| gtttcagctc | ttggccctta | cccatgactc | agcctggggg | ctggtgccgg | ccttgccctgc | 1020 |

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|------|
| agcaatgtag | ctgaggactg | gtctgaaggc | caggagccct | gtgctcttga | catcactgta | 1080 |
| ctccctctcc | ctccccgcaa | ccctgccccca | ccttgcatcc | agggtatggt | gtaaataaac | 1140 |
| ctgtgttgcc | atggcaaaaa | aaaaaa | | | | 1166 |

<210> 7396
 <211> 1080
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (927)...(522)
 <223> similar to gil001603 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|------------|-------------|-------------|-------------|------------|-------------|------|
| <400> 7396 | | | | | | |
| tcactttaaa | cttttgga | ttttaatgtt | aaaatcaa | tatgtttttc | tgggctctta | 60 |
| aacacctctg | ctgtttatgt | agttatgcag | catgtcaaga | agcatcttaa | gacagaaagt | 120 |
| ttcaaatagg | tcacattctt | ttgggtctttc | tactcaattt | ctctctgtga | tcaacagcag | 180 |
| gctgatgcct | ctgtttgaca | cccccttctg | ttaagatatt | attgcaatta | gatataattta | 240 |
| caagaagact | ccccccgacg | gcagtgggga | agggtgggagc | tcctcttcgg | caatccactc | 300 |
| actagttttg | gtttcgggat | atgaaggcca | ggactcgtcg | aataccattc | agtctgtcct | 360 |
| ttaaggacct | cattgctagg | aaggggagct | gagctcggct | ttccaaggga | agaactgcta | 420 |
| acatccacca | gcaccaggct | gggccattcg | ggttcatctg | aggatcggcg | tctttctccg | 480 |
| gcatgggacc | aaagtgattg | agtatccgat | tctttaggga | taatttgagc | gaatgaaacc | 540 |
| acaatgacgc | ttgctgatag | acacagttat | gtaatcccat | gagctcagca | caatcctctc | 600 |
| cctgaacctt | ttgggtcttca | atgtattcaa | tgtcggctgt | gttgtagcca | tcccgtggc | 660 |
| tctgatggag | caccctgaag | cgctcttgc | ctatgctgtc | aaccactgag | cggccatcag | 720 |
| caaagaattg | aacatttctg | atctctagga | tgcagccata | ttctgcaaac | cctttgacag | 780 |
| gatctccaag | gcacatgcca | aactgtctcg | tgctgtctc | aatgcatcta | cgaatcatca | 840 |
| ggcggtaaca | aggctcaaa | atgtgcagg | gacaagggaac | ggtgggatag | gccatagtac | 900 |
| acacgaaaat | aggcacattc | ttattaaggt | tagaaagttc | ttccatttcc | tcttcataaa | 960 |
| gcttccttcg | ttccttcagt | tcttctggaa | ggaatttagc | tatgagctcc | tccattatta | 1020 |
| catttttgct | gtattttctt | gatgccaagc | actgtgaaag | accgtctttg | cacaatggac | 1080 |

<210> 7397
 <211> 4698
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4487)...(2744)
 <223> similar to gi4240243 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7397

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|------|
| tttttttttt | ttctcattac | tcatgatttt | ttttaattta | acatatatag | tacatgtaaa | 60 |
| caactggcat | aaaattcata | aaaatacaat | actcctatgc | aatatcactt | tattcctgat | 120 |
| acatactttc | atthttctcat | taatatcact | ggcctatttt | aacactatat | tttttttgcc | 180 |
| aagcattttt | agagggctta | tcttttttaa | ggaaatacag | gcccccaact | ttgttttcgg | 240 |
| aaaatgttgt | aggcaatagg | ctatthttgga | tgggtcttct | tggccccatc | cttaattttc | 300 |
| ctcactactaa | aggcaaaaaat | atthtggtaaa | tggctaacaa | tatgcaaaaa | cactgaacct | 360 |
| ttaatactgt | tttgtagccc | ctatgggaac | ctgctaccaa | tcctgcattg | cccatcaaag | 420 |
| gggtggtggga | tgctcccaca | gtggcttggg | gctgcggagg | ctgtggggcca | cgggctggca | 480 |
| tagggggggg | gaccttcagg | cctctggctc | caaactggct | cccctaatat | atagccatat | 540 |
| tttgctgggg | gttacattca | taaacactgc | tacaaaagga | tccttctgga | aaaagctaatt | 600 |
| ttatattact | tttaatgggt | cccagcaaat | gaagcagtta | taatagtatt | tttaatgctt | 660 |
| ttttcctata | cagaattttct | acttattaca | tgtgaacttc | tttgaagga | aattactggg | 720 |
| ggtgagaaaa | atataaaaata | aatgtaaaag | tataattttt | aaaaattgta | actgctggat | 780 |
| gtacacaaatc | agccacactc | aggtgagcaa | caatcacaga | taagcagcgc | gcacctccct | 840 |
| ctccctgctc | atgtcaactc | ccatcctcag | cctcaagtgt | ccaccgcca | ttttcctgga | 900 |
| ctgtttgtgca | tcacgctca | aatgtttgctt | ttaatccaca | aatcaagggc | tgcttcccta | 960 |
| ttttctaaaa | ctagcaaaaag | cctaagaaat | aaaaacagtc | aaccagcaaa | tgagaaaacag | 1020 |
| tggccacaaa | tctgaagaac | gctgccagag | tcctctcct | gggctgcctc | caggggaagga | 1080 |
| gcatccctgg | gagctgcggc | tctagcgct | ggcacaagac | tggggggcgg | tgcttctctg | 1140 |
| agggcacact | cctcagcctt | tgtagctgac | ttatgtcagc | aagctgctgc | ttccccggga | 1200 |
| ccaggcctgc | ccttgggctc | tggtagaag | gtagaaagg | aacagcggct | tccaggagt | 1260 |
| ggcaccagaa | accatgcctg | aggactaagg | tctgaaggac | aatccacaat | gaggttaatc | 1320 |
| tgctgtgtgt | taagaaaag | aagctgtata | attaaatgtg | tagtctgtca | gccatagtca | 1380 |
| cgctttgctt | agaattttaa | accctaaaac | cctttctcag | agctatgagg | tttcatcggt | 1440 |
| ttgaagaatc | tcatttcaca | caaattaact | tctaagaaac | aaaaattcat | acaaggaatt | 1500 |
| caaagaaggt | gtagaaattt | ttcaaaataa | aaataaatag | gaagaaaaaa | actaaagagg | 1560 |
| aggacgaaat | atacttattc | cttatactga | aatgatgggt | tttagaacca | aaattataac | 1620 |
| ataaggctta | aggctttgtc | ttattaaaga | caggcaatct | taaaagtaaa | atataaaaaac | 1680 |
| tccattttatc | attattcttt | acatttttga | cagcaaaatt | agtcattgtt | tattgtatct | 1740 |
| taatagtaaa | agaaaaatta | ccatgtacta | cagtctactg | ttccactata | aatgatgtct | 1800 |
| aatcaaatat | acattagttt | ctagatgcac | tatatttggg | gttgttcaaa | atagtttttc | 1860 |
| ttaaaactat | aattaaacat | gaaaaaactt | taaagtgggt | taaagggtatt | aaaatataaa | 1920 |
| cattttgaata | atgctaaaaa | tgagaaaaat | acagttacca | ttattttttt | ttaaaacca | 1980 |
| gaataagtac | ttgataagca | actaaatgag | taaacagtac | ttatttgaca | gaaaatatgg | 2040 |
| ggaagaggag | aagagagaga | gcaagagaga | gagagaaaga | gacacgataa | tgccatatgg | 2100 |
| ctggaagtta | agggaatttc | ctaaccacaa | ggtccaagag | tttgatttaa | taatgggcag | 2160 |
| gaaaagcttc | attaacaaga | gaacagagaa | caaaaagcgc | acaaggaagt | aaaacaaaca | 2220 |
| gatagttcta | tatagcaaac | actccatgtc | tgccccatct | actgtaactc | aagttgatga | 2280 |
| caggggctga | catgaccgaa | gaacttacaa | tactgaaat | gtccaaaaga | caagagcaag | 2340 |
| aggcagaaaa | aagaagcaag | gggcattaat | agttcttaca | ctataaaatc | agccccata | 2400 |
| ttgtcagaat | tgtcctgtat | tttcatgtca | tccttgtcac | aacctactgt | gttttcttta | 2460 |
| tacaggtagc | tttgctcact | ttagcacaaa | tattaaagtc | aagtacaagc | atatactcat | 2520 |
| ttgcatagca | aatttttaaag | ggtgcattga | aatagtaacc | aattgataaa | ggtgtaagtc | 2580 |
| atthtttataa | ttagaatgac | attcaaattg | accaaataac | acgtttttcta | tttgaaaaca | 2640 |
| gttacctata | aaagttttttg | ggatatgaac | aacacatgac | ttagcaaaac | attaaaacca | 2700 |
| ttacagatgt | agttctccgt | aggcagcagg | tcagttagca | gtcattcttt | tacaacttct | 2760 |
| aggactttgt | aaacactgtt | ctggaataca | gtggtgaagt | gaggtttgga | atccttcacc | 2820 |
| aagaggttac | ataagggagt | tttcccagca | ttggcaggat | cttctacatc | ccaaatttca | 2880 |
| ggcactactgc | aaccaggctt | ggatcttctt | acacaccatg | actcttctag | aatgtaatag | 2940 |
| ttcactttta | actttatcag | ttctcgcttc | acttcttcgg | ctgctttccg | actatacatt | 3000 |
| gagtatacta | tttttgttct | ggctctcaag | cctgcgtctt | cataatgtgg | atgattcaca | 3060 |
| atgggcccga | gtgcagagag | cttaacactt | gccatcgtgg | gcatggcacc | cgcaaacact | 3120 |
| gcatctgggt | tagtactata | tttgatccat | tctataagtt | cttcttgggg | caaattgctg | 3180 |

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|------|
| aactccccta | caatattcca | ctggggtttgc | agatttgctg | aaccttgat | tgacattgct | 3240 |
| gctaataatag | caaacacaat | agcaccagga | tgtactttgc | aaaagagcca | tccaaatagc | 3300 |
| tgtcttgagc | agatcagtga | tgccataaca | cacatgtgtg | gtgtcaagaa | gagtttttagt | 3360 |
| ctcataatta | aaataccaag | ggctgtatat | gctaacaatt | gcaatgcatg | gtaaaccagc | 3420 |
| tctccatgat | caaactgggtg | ttttcttaca | tgtgtctgtt | gtttagctaa | gacaccccac | 3480 |
| atatcactaa | taatctttct | aacaatagca | acaaacccta | caagaacaac | tggaagcaat | 3540 |
| aatgtctttg | tgtatctcag | tggagtctct | ttttccataa | agtcaaactc | cgctgcacag | 3600 |
| gtatacaata | aagtatcaaa | atccttataa | ctaaagaatt | ttgatgttag | taagttgcca | 3660 |
| atatgagcgt | catttgcaat | accaaaaatt | ttagatgtca | agtatttaag | tatgacagtt | 3720 |
| ccaaataaacc | aaaaacatcc | ttgaataaacc | cataaactaa | gttcagatac | atttatttttc | 3780 |
| aggaaatgtg | gtttcattgc | cagaataccc | caaataatta | ccaaagaaga | agcataataa | 3840 |
| gaagttaata | acattgagtt | cccaaaccatc | aaaacaaaac | aaagtgcaag | agaaatcatg | 3900 |
| tgtatataaa | tgatcttccg | taattttacat | atatcaatgt | acccgacaac | atatactgca | 3960 |
| aataatgatg | caatctgagt | aagaagtaca | aactgagcaa | actgccaagg | aagcatgaaa | 4020 |
| aatacattgg | aaatgcagag | tgcaatcaag | cttcctctat | aaagttttgt | agccctgaga | 4080 |
| atatgagtca | ctagcaacat | ctgaagaaca | agaaatggat | atgagaagct | ttcacggaga | 4140 |
| gggtggtgtcc | acattacacg | ggtacactct | ccatgattga | aaaagaagca | caacactgta | 4200 |
| accaggcctc | ctaactcggct | gccacttaaa | tatgtgccat | atatgaagaa | taatgccatc | 4260 |
| attagtccat | ttaaaataaaa | aattacagca | acatagaagc | aagcaggatc | tcccaatcct | 4320 |
| tcacagcttt | cagtaggact | gagtccttct | cctatggtaa | ccgtccaaca | tatcttggtt | 4380 |
| tgaataccaa | tcaagtccat | tatttttggt | taaatccggt | accaactggc | caaaattacc | 4440 |
| tcagggtaaa | gattgaatct | ttttaatgta | ttaatgacaa | gggggtattc | agtcagttta | 4500 |
| tcattcataa | tcatccatac | tccattcaaa | aatgagggtg | cttcacacaat | agtcttgaaa | 4560 |
| taggaataat | atagtcccat | ttcagtgcga | aaagccatct | actatgttta | ttattttatct | 4620 |
| tctgtcttcc | ctctttccccc | cactctgtta | gaatgtagta | atatgaatgc | tggtgtattc | 4680 |
| cacatgcctt | gacagttg | | | | | 4698 |

<210> 7398

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (55)...(130)

<223> similar to gi950109 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7398

| | | | | | | |
|-------------|------------|-------------|-------------|------------|-------------|-----|
| cggacgcgtg | ggcggacgcg | tgggtagcgc | cattttttttg | gaaacctctg | cgccatgaga | 60 |
| gccaaagtga | ggaagaagcg | aatgcgcagg | ctgaagcgca | aaagaagaaa | gatgaggcag | 120 |
| agggtccaagt | aaaccgctag | cttggtgcac | cgtggaggcc | acaggagcag | aaacatggaa | 180 |
| tgccagacgc | tggggatgct | ggtacaagtt | gtgggactgc | atgctactgt | ctagagcttg | 240 |
| tctcaatgga | tctagaactt | catcgccctc | tgatcgccga | tcacctctga | gaccacacctt | 300 |
| gctcataaac | aaaatgccca | tgttggtcct | ctgccctgga | cctgtgacat | tctggactat | 360 |
| ttctgtgttt | atttgtggcc | gagtgtgaaca | accatataat | aaatcacctc | ttccgctggt | 420 |
| ttagctgaag | aattaaaaaa | aaaa | | | | 444 |

<210> 7399
 <211> 1649
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (117)...(824)
 <223> similar to gi4456768 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7399

| | | | | | | |
|------------|------------|-------------|-------------|-------------|-------------|------|
| ctattttgtt | tcgtctggta | ctcttgtctc | tcgtttat | gcttaactct | gtagccacag | 60 |
| aagaaaggaa | accagctgaa | gttcttattg | tcgagggaca | acagtatgca | gttggtggaa | 120 |
| ccgtattgct | gttaataaga | attatccttg | aatattgccca | gggtgtggat | aacatcccat | 180 |
| ctgttactac | tgacatgctt | actcgtctgt | cagatttatt | gaagtacttc | aattcaagaa | 240 |
| gttgccagtt | agttcttggg | gctgggtgcac | tgcaagttgt | tggaactaaa | acgataacta | 300 |
| caaaaaat | ggctctttct | tcacgatgtt | tgcagttaat | tgtgcactac | attcctgtga | 360 |
| tccgggctca | ttttgaagct | cgactaccac | ctaagcaata | tagcatgctt | aggcattttg | 420 |
| atcatatcac | taaggactac | catgatcaca | tagctgaaat | atcagctaag | cttgttagcga | 480 |
| taatggatag | cttatttgac | aagctgttat | ctaagtatga | agtgaaggct | cctgttccct | 540 |
| ctgcctgttt | caggaatatt | tgtaagcaaa | tgacaaaaat | gcacgaagct | atatttgatc | 600 |
| tccttccaga | agaacaaaca | cagatgttat | ttttaagaat | taatgcaagt | tataaactcc | 660 |
| acttgaaaaa | gcagttatct | cacttaaatg | tgataaatga | tggaaggacct | caaaatgggt | 720 |
| tggtcacagc | agatgtagct | ttttacactg | gaaatcttca | agccttaaaa | ggccttaaag | 780 |
| atgttgacct | aaatatggcc | gaaatttggg | agcagaagag | gtgatgtcat | cctggaaaac | 840 |
| tgggtagttc | atctgacct | gggatgtgtt | tgttatgaag | aaaatctgga | tgctgtgat | 900 |
| tcgagaattg | aacctgaaac | ccaaagtga | ctgggggtggg | ggaagggaaa | aaggaaagta | 960 |
| tcaagtgttg | ggaaactgga | ttcagtggga | tctacaagga | atgtcatttt | tgtgcatcct | 1020 |
| acagtgagga | gtaactgatc | aggtgtctat | aacatttttc | attctctctg | gaaacagact | 1080 |
| caggtttctt | tggaccaaat | ccaaaagaac | acatagctgt | aacacagctg | tagttgacta | 1140 |
| gaatgctctg | tatactttat | attaaaaaat | gctttgcatt | tcttccagtg | caatgaaatt | 1200 |
| catatggtgt | cccaccttat | ttaatgatgg | tacaatttaa | aatcttagtc | aacttctgta | 1260 |
| gaaagttttc | tctatgaaag | taaagctgtt | tgaaaaatta | ttattttttt | acagatcttt | 1320 |
| ctataaaaaa | taaacatctt | ttgattgctt | ggatttagga | attcaattct | tgtttcagtg | 1380 |
| accaatgtca | agttgcaggc | tttgtgtgtt | gcatatttaa | tatttctact | accaccgtat | 1440 |
| gtcaactggg | taaagccttc | cagagctctc | taaatacctg | aaagacttaa | gccttttttt | 1500 |
| aagtaattaa | tacttaaaaa | aaaaagatcc | tggcatctat | ttatgcaact | aaatactttt | 1560 |
| cagaaatggt | atataaaagg | ctacagttta | atatctgtat | ttttataaaa | gtatgatgaa | 1620 |
| gggtttgggg | tgtttttatt | tgtagcatg | | | | 1649 |

<210> 7400
 <211> 1671
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (41)...(1160)

<223> similar to gi3790610 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7400

```
cgtagcgccc gagtgtcggg gggcttacc ttttcggggc atgatgccgg gaaccgcgct 60
gaaggcgggt ctgctggccg tgctgctggt ggggctgcag accgcgacgg gtcgtctgct 120
gagtgggcag ccagtctgcc ggggagggac acagaggcct tggtataaag tcattttactt 180
ccatgatact tctcgaagac tgaactttga ggaagccaaa gaagcctgca ggagggatgg 240
aggccagcta gtcagcatcg agtctgaaga tgaacagaaa ctgatagaaa agttcattga 300
aaacctcttg ccatctgatg gtgacttctg gattgggctc aggaggcgtg aggagaaaca 360
aagcaatagc acagcctgcc aggaccttta tgcttggaact gatggcagca tatcacaatt 420
taggaactgg tatgtggatg agccgtcctg cggcagcgag gtctgcgtgg tcatgtacca 480
tcagccatcg gcacccgctg gcatcggagg cccctacatg ttccagtgga atgatgaccg 540
gtgcaacatg aagaacaatt tcatttgcaa atattctgat gagaaaccag cagttccttc 600
tagagaagct gaagggtgagg aaacagagct gacaacacct gtacttccag aagaaacaca 660
ggaagaagat gccaaaaaaa catttaaaga aagtagagaa gctgccttga atctggccta 720
catcctaate cccagcattc ccttctcctt cctccttggt gtcaccacag ttgtatggtg 780
ggtttggtat tgtagaaaaa gaaaacggga gcagccagac ctagcacaa agaagcaaca 840
caccatctgg ccttctcctc accagggaaa cagcccgga ctagaggctt acaatgtcat 900
aagaaaacaa agcgaagctg acttagctga gaccgggcca gacctgaaga atatttcatt 960
ccgagtgtgt tcgggagaag ccaactccga tgacatgtct tgtgactatg acaacatggc 1020
tgtgaacca tcagaaagtg ggtttgtgac tctgggtgagc gtggagagtg gatttgtgac 1080
caatgacatt tatgagttct cccagacca aatggggagg agtaaggagt ctggatgggt 1140
ggaaaatgaa atatatggtt attaggacat ataaaaaact gaaactgaca acaatggaaa 1200
agaaatgata agcaaaatcc tcttattttc tataaggaaa atacacagaa ggtctatgaa 1260
caagcttaga tcaggtcctg tggatgagca tgtggtcccc acgacctcct gttggacccc 1320
cacgttttgg ctgtatcctt tatccagcc agtcatccag ctcgacctta tgagaaggta 1380
ccttgcccag gtctggcaca tagtagagtc tcaataaatg tcaattgggt gggtgtatct 1440
aacttttaag ggacagagct ttacctggca gtgataaaga tgggctgtgg agcttgaaaa 1500
accacctctg ttttcttgc tctatacagc agcacatatt atcatacaga cagaaaatcc 1560
agaatctttt caaagccac atatggtagc acaggttggc ctgtgcatcg gcaattctca 1620
tatctgtttt tttcaaagaa taaatcaaa taaagagcag gaaaaaaaaa a 1671
```

<210> 7401

<211> 1991

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1882)...(248)

<223> similar to gi671527 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7401

```
tttttttttt ttctcaaagt acttagattt aatcatcgga agcaaaactaa atggaaacct 60
```

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|------|
| tacaatagag | aagaattaca | tgtcagtgtc | ttttggaaaa | ctgagctggg | acagaaaggg | 120 |
| actgggggct | gccccccaac | ctgatccctt | ctgaacaaa | acgtccacag | tgttcctggc | 180 |
| actctggctc | aggaaaaggg | gagactctgc | tggttctgtg | cattgaagta | gccttgcccta | 240 |
| gcactcactc | ctggccagca | tcaggagccc | cgccttgccg | gctctggtca | tcgcctttct | 300 |
| ttttgtggcc | tgaaacgatg | tcatacaattc | gcagtagcag | aactgccgtc | tccactgctg | 360 |
| tcttataagt | ctgcagcttc | acagccaatg | gctcccatat | gcccagttcc | ttcatgtcca | 420 |
| ccaaagtacc | cgtctcacca | tttacacccc | aggtctcaca | gttctcctgg | gtgtgcttgg | 480 |
| cccgaaggga | ggtaagtaga | cggatggtgc | tggccccaca | gttctggatc | agggtagcag | 540 |
| gaatgacctc | tagggcctgg | gcaacagccc | tgtatggcca | ttgttccaca | ccagtcattg | 600 |
| ccttggtatt | ttctgtcaag | gcatgggcca | cagccatctc | ggaggcccca | ccccctggca | 660 |
| ccagctgagg | gtccaggaga | acattgagac | acacttgcat | ggcatcctga | aagttgcgtt | 720 |
| ctacttccga | gagaatctct | ttgctagccc | cccggaggag | aatggtgcag | gccttggggg | 780 |
| ccttgagctc | agtgatgaaa | gtaaagtatt | catctccaat | tttcttgatt | tccaacaggc | 840 |
| ctgctcctgt | tccaacatca | tcttctctca | gttcctctgg | tcggctgact | atccggggcc | 900 |
| cacaggctct | agcaatgcga | ttattgtctg | tcttccggac | tctgaggatg | gctgtgatat | 960 |
| tggcccgcat | aaggtagtgc | tgagctaaat | ctgagatgcc | cttttcagtg | atgaccacat | 1020 |
| cgggcttcag | ttggataatg | tcctcacaga | gctgctggat | gtactcttcc | tccatctgga | 1080 |
| gaattcgggt | gaagtccctc | tctcgtgtaa | tctcaatgtc | agtctggctt | tctcctttct | 1140 |
| tgtattccag | agaagaatcc | agcagcacia | tgcgagggtt | cttgatatag | cgcgcatac | 1200 |
| gtggatgggt | cacatccttg | ttaatcatga | ctccacgcaa | gacacaggag | tcttcaatga | 1260 |
| tgctccagg | tatcttttcc | actcttgcat | atttttttat | gtcaatctct | ttccgaccat | 1320 |
| tctcctcaaa | ctgtaccatc | ttgacagcat | ccagggaat | gttgcaagcc | aaagatgacc | 1380 |
| accgactgat | ggcttttggt | gtaatatagc | tggtgatgat | gttcagcatc | atatcactgt | 1440 |
| cactgatgtc | gactgggata | cttattttct | ttagggtgct | gatcatatca | tccaatgcct | 1500 |
| tgcggtaaag | actgatcacc | actgttgggt | gcatctgctg | ctccaggaag | tgctcagcta | 1560 |
| cagacagcat | ttcccctgca | agaataatta | ctgatgtggt | cccatctcca | acctcttcat | 1620 |
| cctgggtccg | gctaatttcg | atcatggact | tggccgctgg | atgctggact | tgaatctctc | 1680 |
| gaagaatggc | attgccatca | ttggtcatca | caatgcctcc | cattgggtcc | aaaagcatct | 1740 |
| tcatcatgga | cttgggtccc | aaacatgttc | ggatgatatc | tgcaatagtc | ttggcagcat | 1800 |
| tgatgtttcc | agattgaact | tttcttccgg | attcacgctt | tgtgttctgg | ctgagcacga | 1860 |
| gcactggacg | atggcccatc | atggcgacgc | gatgcagagc | cgggtaccca | gagctggggg | 1920 |
| aaccggcaga | accttctgga | gagagagaac | cagacagaag | cccagaaaac | gctgcctcct | 1980 |
| cagggttac | c | | | | | 1991 |

<210> 7402

<211> 1463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1453)...(194)

<223> similar to gi4808241 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7402

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-----|
| tttttttttt | ttcacagcca | attttcacac | tgttgtttca | cattctcaca | gccctcagca | 60 |
| caggtcacgt | cccagcccag | ctctgggact | ttggttcagg | gtcagagcc | tctgggtctgg | 120 |
| gctgatcgaa | aacctccttt | gacctgtgg | cagcaggcgg | accttggctc | ttctcgtcct | 180 |
| taccagagc | tcagggcagt | gccccgtgca | gtcgcgccac | ttccacgaag | gcctccacgc | 240 |

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|------------|------|
| agcgggtcaat | gtcttctctcg | ctatgcaactg | ctgagatctg | tacccggatc | cgggccttgc | 300 |
| ccttgggggac | cacgggggtag | ctgaacccega | tgacaaagat | gcctctcttc | agcatgtcat | 360 |
| ccgccatgcg | agaggccagc | cgggcatcac | ccagcatcac | agggcagatg | gggtgactgg | 420 |
| ctcccagatg | agtgaagcca | gcagcttcca | tcttactacg | gaacctctgg | gtcttggcag | 480 |
| ccatagactg | gacaatggtg | ttactcccca | tcagcagatc | tagggccttg | gaggcgagc | 540 |
| caacgacagc | aggtggcaga | ctgttggaga | agaggtatgg | ccgggcgcgc | tgccgcagca | 600 |
| gggacaccag | gggccaggc | cctgtcgtgt | agccccctga | tgctccacc | agggccttcc | 660 |
| ccagggtgga | gttgatgatg | gtgacctggt | ccatcacacc | cagcagctca | tctgtgcccc | 720 |
| gtcctgtggg | ccccaggaag | ccagtggcat | ggcattcatc | catgaagacc | agggcaccat | 780 |
| atctagaggc | gaggcagcag | atctcctgca | gggggtgcgat | gtcgccatcc | atggaaaagg | 840 |
| ccccatcagt | ggccaccagg | cgcagccgat | gcttctgggc | ctcctgcagc | ttggcttcta | 900 |
| ggtcggccat | gtccagggtg | cgatagcggg | acttgtgggc | cttgacagc | cggatgccgt | 960 |
| cgatgatgga | ggcatgggtc | agctcgctcg | acaggactgc | gtcctctggg | gtcagcaggg | 1020 |
| cctcaaagag | gccggcggtg | gcgtcataac | agctgggata | gaggatggca | tcctcccgt | 1080 |
| ggtggaagcg | ggctatTTTT | gcttctagat | tcttgtggat | gctctgggtt | ccacagataa | 1140 |
| agcggacaga | gctgaggcca | gtcccaaact | cctccagagc | ctgcagacct | gcctggatca | 1200 |
| cctcagggtg | gctgctcagg | cccaggtagt | tgttggcaca | gaagttaagg | attcctccgg | 1260 |
| agacgccgtc | cacgcgggatg | tgcgggccct | gacgggacgt | gatgaccgc | tcactcttcc | 1320 |
| aagtgccagc | tccgcagatg | ccttccagct | ccccctccag | aatgccacgc | agctgggcca | 1380 |
| gcgctgactg | tgcgcggcgg | ccgcggggca | cccagaagag | tgcgggcgcg | caggcggtcc | 1440 |
| caggccacat | cgctcggcac | gag | | | | 1463 |

<210> 7403

<211> 859

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (273)...(670)

<223> similar to gi2979568 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7403

| | | | | | | |
|------------|-------------|------------|-------------|------------|-------------|-----|
| ggaattcccc | ggagcctccc | caggccggcc | ctgggccttc | ccccaggaag | agccccacgg | 60 |
| ccagctcctt | cctgttcccc | tggcgggccc | tcgcttcttc | cttctggatg | ggggcccagg | 120 |
| gggccagga | gagtataaag | gcgatgtgga | gggtgcccgg | cacaaccaga | cgcccagtca | 180 |
| caggcgagag | ccctgggatg | caccggccag | agggcatgct | gctgctgctc | acgcttgccc | 240 |
| tcctgggggg | ccccacctgg | gcagggaaga | tgtatggccc | tggaggaggc | aagtatttca | 300 |
| gcaccactga | agactacgac | catgaaatca | cagggtcgcg | ggtgtctgta | ggtcttctcc | 360 |
| tggtgaaaag | tgtccagggtg | aaacttggag | actcctggga | cgtgaaactg | ggagccttag | 420 |
| gtgggaatac | ccaggaagtc | accctgcagc | caggcgaata | catcacaaaa | gtctttgtcg | 480 |
| ccttccaagc | tttctctcgg | ggtatggtca | tgtacaccag | caaggaccgc | tatttctatt | 540 |
| ttgggaagct | tgatggccag | atctcctctg | cctaccccag | ccaagagggg | cagggtgctgg | 600 |
| tgggcactca | tggccagtat | caactccttg | gcatacaagag | cattggcttt | gaatggaatt | 660 |
| atccactaga | ggagccgacc | actgagccac | cagttaatct | cacatactca | gcaaactcac | 720 |
| ccgtgggtcg | ctagggtggg | gtatggggcc | atccgagctg | aggccatctg | ggtgggtggtg | 780 |
| gctgatggta | ctggagtaac | tgagtcggga | cgctgaatct | gaatccacca | ataaataaag | 840 |
| gttctgcaga | aaaaaaaaa | | | | | 859 |

<210> 7404
 <211> 2210
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (199)...(1188)
 <223> similar to gi4877999 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7404
tctctagggg ggctagagcg tcctcccgcg ctcagtcgcg ctgcaggtga cggcgcccg 60
aggctgtcgg gaagtaggag ggggtgacgtg tgggtgacga gctcggcggc gggtttgcgt 120
agatctgtgg ccggcggcag ctggtgcggg gggcagctga gagcgagagg tggatcgggg 180
cgggtgtgtg ccagggccat gacgggcaat gccggggagt ggtgcctcat ggaaagcgac 240
cccgggggtc tcaccgagct cattaagga ttcggttgcc gaggagcca agtagaagaa 300
atatggagtt tagagcctga gaattttgaa aaattaaagc cagttcatgg gttaattttt 360
cttttcaagt ggcagccagg agaagaacca gcaggctctg tggttcagga ctcccgactt 420
gacacgatat tttttgctaa gcaggtaatt aataatgctt gtgctactca agccatagtg 480
agtgtgttac tgaactgtac ccaccaggat gtccatttag gcgagacatt atcagagttt 540
aaagaatttt cacaaagttt tgatgcagct atgaaaggct tggcactgag caattcagat 600
gtgattcgac aagtacacaa cagtttcgcc agacagcaaa tgtttgaatt tgatacgaag 660
acatcagcaa aagaagaaga tgcttttcac tttgtcagtt atgttctgt taatgggaga 720
ctgtatgaat tagatggatt aagagaagga ccgattgatt taggtgcatg caatcaagat 780
gattggatca gtgcagtaag gcctgtcata gaaaaaagga tacaaaagta cagtgaaggt 840
gaaattcgat ttaatttaaat ggccattgtg tctgacagaa aaatgatata tgagcagaag 900
atagcagagt tacaaagaca acttgcagag gaggaacca tggatacaga tcaaggtaat 960
agtatgttaa gtgctattca gtcagaagtt gccaaaaatc agatgcttat tgaagaagaa 1020
gtacagaaat taaaaagata caagattgag aatatcagaa ggaagcataa ttatctgcct 1080
ttcattatgg aattgttaaa gacttttagc gaacaccagc agttaatacc actagtagaa 1140
aaggcaaaag aaaaacagaa cgcaaaagaa gctcaggaaa ccaaatgaag atgttttcag 1200
atatgtacac atttctgctt ctgcacatat tttcatggaa accattatgt ataaagaact 1260
tagagcaaca tcctaattgg ctcagtgcac gtttggcaat agtgccagcc tgtcttgtct 1320
ttaatgcatg gattcataaa cttcttcctt acctgcatca tgtgcatgta gtgcatatta 1380
aatgaaagtg atattaagaa tgctttccca aattccatta tttgacattg agtctgacaa 1440
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cttatctgta atttaaatac ttaaaatttg caattgtcag atcttgatta aactggttgt 1560
cttatttctt ctcatcatta acggaaaaaa atcagtatct ctatctttga tatctaagt 1620
ttttgaggat tttaaaactg aattttatct gctataccag ttatttgaga aagtatgatt 1680
ttaatgtaaa tcatttaaaa aggacaaaag tataatttcc agtgattttc actgctgtca 1740
gtagaaaagt aataaacatc tcaattttat tttagtaaat tttcttcaag tgtttggggg 1800
tatttgttta tgtattagag aattgtttca ggaaggctct agtattatgc ttcaaagcaa 1860
aatttcaggg taagaagaaa ttgtaaatct taaagaatgt tgggtgttact ctcaatggaa 1920
tattgtttca agcttgtaag ctgtgtataa aaaaaactgg aggtctgaca gttcatgtta 1980
tctgcttttt taaaaagatg gtagtgggtg tgggggtctt tctatgcaa tttgaataaa 2040
tttcgtacag cctgcagttt tcaagagcca tatgtaattt gctcacaatt gatttttaaa 2100
aattgatttg ggagttgctt tgtaataatc ttctgcttct aatcttcctt tgcaagtcag 2160
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```

<210> 7405
 <211> 3745
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (823)...(1688)
 <223> similar to gi5420222 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7405

| | | | | | | |
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| aggaaagggc | cgctagggga | gggccgggtg | cactcggggg | gtctggggcg | cgggtctgag | 120 |
| ggatgaggag | gggccatggc | cagcgacggg | gccaggaagc | aattctggaa | gcgcagcaac | 180 |
| agcaagctcc | cgggcagcat | ccagcacgtg | tatggtgccc | agcaccctcc | ctttgatcca | 240 |
| ctgttacatg | gcactttgct | caggtccacg | gccaagatgc | cgaccacacc | agtgaaggcc | 300 |
| aagaggggtca | gcaccttcca | ggagtttgag | agcaatacca | gcgatgcctg | ggacgctggg | 360 |
| gaggacgacg | atgagctcct | ggccatggcg | gcggagagcc | tgaactccga | ggtggtcatg | 420 |
| gagacggcca | accgtgtgct | gcgtaaccac | agccagcggc | aggggcggcc | cacgctgcag | 480 |
| gagggggcca | ggcttcagca | gaagcccagg | cccgaggcag | agccgccttc | acccccagc | 540 |
| ggcgacctcc | ggctggtgaa | gtcggtcagt | gagagccaca | cgtcctgtcc | tgcagaaagt | 600 |
| gccagcgatg | ccgccccctc | gcagaggtcc | cagtctctcc | cacactcggc | caccgtcacg | 660 |
| ctgggtggca | catctgaccc | cagcactctc | agcagctcag | cgctgagcga | aagagaggcc | 720 |
| tcccggctcg | acaagttcaa | gcagctgctt | gccggcccca | acacggacct | tgaggaatta | 780 |
| cggaggttga | gctggtccgg | aatccctaag | ccagtgcgtc | caatgacgtg | gaagctcttc | 840 |
| tcaggttacc | tccccgccaa | tgtagaccgg | agaccagcca | ctctccagag | aaaacaaaaa | 900 |
| gaatatTTtg | catttattga | gcactattac | gattctagga | acgacgaagt | tcaccaggac | 960 |
| acatacaggc | agatccacat | agacatccct | cgcatagacc | ctgaagcggt | gatcctgcag | 1020 |
| cccaagggtga | cggagatTTT | tgaaggatc | ttgttcatat | gggcgatccg | ccaccagacc | 1080 |
| agtggatacg | ttcagggtat | aaatgatctc | gtcactcctt | tctttgtggt | cttcatttgt | 1140 |
| gaatacatag | aggcagagga | ggtggacacg | gtggacgtct | ccggcgtgcc | cgcagagggtg | 1200 |
| ctgtgcaaca | tcgaggccga | cacctactgg | tgcatgagca | agctgctgga | tggcattcag | 1260 |
| gacaactaca | cctttgccca | acctgggatt | caaataaaag | tgaaaatggt | agaagaactc | 1320 |
| gtgagccgga | ttgatgagca | agtgcaccgg | cacctggacc | aacacgaagt | gagatacctg | 1380 |
| cagtttgctt | tccgctggat | gaacaacctg | ctgatgaggg | aggtgcccct | gcgttgtacc | 1440 |
| atccgcctgt | gggacaccta | ccagtctgaa | ccggacggct | tttctcattt | ccacttgtac | 1500 |
| gtgtgcgctg | cttttctcgt | gagatggagg | aaggaaatac | tagaagaaaa | agattttcaa | 1560 |
| gagctgctgc | tcttctctca | gaacctgccc | acagcccact | gggatgatga | ggacatcagc | 1620 |
| ctgttgctgg | ccgaggccta | ccgcctcaag | tttgcttttg | ccgacgcccc | caatcactac | 1680 |
| aagaaaatgag | cccaggccca | cccgcagctg | gctcactgtg | cccgggtggc | gcgccccacc | 1740 |
| tgcttgctgt | gtggtagggc | cctgtgagct | ggccccgggc | tgctaaaagg | ccttgtaggg | 1800 |
| tggccccacc | ctccagggga | gctggtgaag | atgggccaca | gacctggtct | agggctgaca | 1860 |
| aagacagggga | cagcctttgt | tttctgagat | accaaagaga | gccaggggag | ggccccgggt | 1920 |
| tcggcggcca | gaggcaggtc | aggggtcccc | tctccctctc | cctgcaatgt | ccttgccaaa | 1980 |
| tgactgcctc | gtgctgcccc | tagtccgggg | cagcctagga | ggccgaccct | ctttggagtc | 2040 |
| ctgctgtctg | ggtgccaggg | ccggaacgag | gtagtggcca | tctcatacct | actctgaaat | 2100 |
| gcaaaaacttc | tattctgttg | agtgaagaaa | taaaatgtag | acaaaatcta | gaccgagacg | 2160 |
| ttgcgctgac | ccgggggtctc | tgtgccgcga | ggtccctcca | cagctgtatt | tactgtctgc | 2220 |
| tggccctttc | cctccgtgtg | tttctctgct | tgcttggttt | aaacgtggct | gggaagctga | 2280 |

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|------|
| aggctggagt | ccaagccgtg | agcccgccga | gtgcctggga | ggccgtggga | ccaaaggctg | 2340 |
| ggagcagagg | gaggcctcgc | catcgcctta | ctttccacct | tgaacctctt | ttacaagaga | 2400 |
| gaaaccccc | cctccctgag | gtccagggcc | aagtggcccc | gccacgcagg | taggcgccgg | 2460 |
| cctcagccag | agccccctga | ggcccaccca | ggctgtcggg | ccatgttggg | ctggcagacg | 2520 |
| ggcaggggg | cgcgctccctg | tcatcaaagc | cctgaaccac | agtgtctctt | tcaccgcagc | 2580 |
| ctggaagcgg | aatgagcttt | tggagacttc | ctgggacttg | ctgtccttgt | ccaggtctgc | 2640 |
| caggtgtagg | ggaggtgtga | ctggttccat | catggaccgg | ttcctccgtg | gaccggttcc | 2700 |
| gccatggacc | ggttcgccca | tggaccactc | ctgccttgga | ccactcctgc | cctggaccgg | 2760 |
| ttctgccgtg | gactggttcc | cgccgtggac | cagttcccgc | tgtatactgg | ttctgccctg | 2820 |
| gactggttcc | cgctgtggac | tggttccttg | gggctctaag | tgcggaaggg | cccagagctg | 2880 |
| gtccctgccc | agcgcctcgc | tagggctgtg | tccttggtc | caggggcctt | gggactggct | 2940 |
| tcccagcgtt | ccctcgggtg | gtcacaggct | gcatgacccc | tggaatgcgg | gcagggccac | 3000 |
| agccacagtc | tgtctgatcc | ctgagcccag | gacaggctca | cgctctcagc | gacccactgg | 3060 |
| tgactgactt | cccagactct | cctctgtccc | tcaggagcag | ccgtgtcctc | tcccaggccc | 3120 |
| taggacactg | ccagagactg | tgggacatac | aggcataagt | gatgtgtgtg | tttctgcttc | 3180 |
| tgttttaaaa | atccagggtc | attacacaca | gcatggaaat | tagcacaaaa | tgtgtgcaa | 3240 |
| acgtcagatg | ctcccaaacc | agcaaagggg | tgggcttgct | tcacatcaga | tgcgggcacg | 3300 |
| ccttaccctt | gccttcctg | tccccacccc | agggccaagg | gttctctaga | ccagccatgc | 3360 |
| ctcctcctcc | tgccgcctcc | ttttctagat | ggggagggga | ttccgtcaca | agaagagccg | 3420 |
| cccctcggcc | gtgtgcagga | agcccacatg | tcgctttgcc | gagatcagcc | ctgggaggat | 3480 |
| ccccttctct | agctcagatc | atgccgtgtg | gcccagaagg | ctgcggacac | aactgacctg | 3540 |
| cttctcgagg | tggttgatgt | tttaaacagg | aagctccacg | gagttcagcc | ctgtgtgcat | 3600 |
| ttcctcatgt | atgtaaaccg | caagactgaa | tgtgagaggt | gtctgccgcg | ggccttaagt | 3660 |
| ctgagcagat | ccatctggaa | tgttcgggg | gtgctgtctg | gatgtggtgc | gctaaaaaca | 3720 |
| cgaataaag | atcagtga | aagcc | | | | 3745 |

<210> 7406

<211> 3420

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1205)...(2414)

<223> similar to gi3924603 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7406

| | | | | | | |
|------------|-------------|------------|------------|------------|-------------|-----|
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| tgaggcacct | cgcgcatctt | gccgcctacc | tatcaatcat | cggtctccgc | tgtccagatg | 120 |
| gctggccaag | ggggcggggc | cgctgtgtga | cgtttgacgc | ccgccggcca | ggaagccgcg | 180 |
| agatgcttga | cgagcgaagc | gcgtgacaga | agagcggttg | gccaacgcag | tggcggcagt | 240 |
| cggtgtaaac | aaggcctcgc | gccgctgcgg | gtcctgcgac | cgctcctggc | tgggtgggtg | 300 |
| tctcgctggg | ggcgggttacc | gccggcttca | gtgggaggtg | cttctcggct | tcctccccct | 360 |
| catggcgtag | acacccccgg | cgacccacgt | gggcgtgagg | cgaggaagga | ggggtgttag | 420 |
| gccaattctt | attttccattg | gctgtcactg | ctgccggcct | ttgtaagggg | gcgctctgat | 480 |
| tggctcgata | gggtggggcg | tcgaggggtc | ttgagtccta | aggcttctaa | ttggtttagat | 540 |
| gagataagct | agtgaagcgc | tttcttccga | gagggatttc | gattggtcgg | tcagagaggt | 600 |
| tacctgaaa | tccaacaccg | cccaacaccc | ctcccgctcc | ccagtccggg | gacttcgata | 660 |
| ggattggaga | aggtttgtgt | tcccgcagcc | ttggtagttg | gcataggcta | aagaaaaggg | 720 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| atctcagccc | cgaggaaggg | tcaccctcct | agagatagct | actaccccg | ctcaggagac | 780 |
| cctgggtattt | ctagagcacg | ctttgctttc | accaaacc | aggaggtgac | aggaggagcc | 840 |
| cccgcacagg | acctaagaat | gctgtgacca | gaagatggga | tcgcggaaca | gcagcagtg | 900 |
| aggatccggg | tccggagacc | cctccgaggg | cttgcgccga | agaggggctg | gcctgcgtcg | 960 |
| gagtgaggaa | gaggaagaag | aggatgaaga | tgtggatctg | gcccaggtac | tggcctatct | 1020 |
| cctccgcaga | ggccaagtga | ggttggtgca | gggaggaggt | gcagcaaatt | tacaattcat | 1080 |
| tcaggccctc | ttggactcag | aggaagagaa | tgacagagct | tgggatggtc | gtcttgggga | 1140 |
| tcgatacaac | ccacctgtgg | atgctacccc | tgacacccgg | gagctggaat | tcaatgagat | 1200 |
| caagacacaa | gtggaactgg | ccacagggca | gctggggcct | aggcgggccc | cccagaagca | 1260 |
| cagctttcct | cgaatgttgc | accagagaga | acggggcctc | tgccatcggg | gaagcttctc | 1320 |
| ccttgagaaa | cagtctcgag | tgatatctca | cttcttgccc | aatgatctgg | gcttcactga | 1380 |
| tagctactct | cagaaggctt | tctgtggcat | ctacagcaaa | gatggtcaaa | tattcatgtc | 1440 |
| tgcttgccaa | gaccagacaa | tccgactcta | tgactgccga | tatggccgtt | tccgtaaatt | 1500 |
| caagagcatc | aaggcccgcg | acgtaggctg | gagcgtcttg | gatgtggcct | tcacccctga | 1560 |
| tggaaccac | ttcctctact | ctagctggtc | tgattacatt | catatctgca | atatctatgg | 1620 |
| tgaggagat | acacacactg | ccctggatct | caggccagat | gagcgtcgct | ttgctgtctt | 1680 |
| ctccattgct | gtctcctcag | atggacgaga | agtactagga | ggggccaatg | atggctgcct | 1740 |
| gtatgtcttt | gaccgagaac | agaaccggcg | cacccttcag | attgagtccc | atgaggatga | 1800 |
| tgtgaatgca | gtggcctttg | ctgatataag | ctcccaaatt | ctgttctctg | ggggagatga | 1860 |
| tgccatctgc | aaagtgtggg | atcgacgcac | catgcgggag | gatgacccca | agcctgtggg | 1920 |
| tgactggct | ggacaccagg | atggcatcac | cttcattgac | agcaagggtg | atgcccggta | 1980 |
| tctgatctcc | aactctaaag | accagaccat | caaactctgg | gatatccgac | gcttttccag | 2040 |
| ccgggaaggc | atggaagctt | cacgccaggc | tgccacacag | caaaactggg | actatcggtg | 2100 |
| gcagcaagtg | cccaaaaaag | cctggcggaa | gctgaagctc | ccaggggaca | gctccttgat | 2160 |
| gacctaccgg | ggccacggag | tgctgcacac | cctcatccgc | tgccggttct | ccccattca | 2220 |
| tagcactggc | cagcagttca | tctacagtgg | ctgctccact | ggcaaagtgg | ttgtgtacga | 2280 |
| ccttctaagt | ggccacattg | tgaagaagct | gaccaaccac | aaggcctgtg | tgcgtgacgt | 2340 |
| cagttggcac | ccctttgaag | agaagattgt | cagcagttcg | tgggacggga | acctgcgtct | 2400 |
| gtggcagtac | cgccaggctg | agtacttcca | ggatgacatg | ccagaatctg | aggaatgtgc | 2460 |
| cagcgccctc | gccccagtgc | cccaatcctc | tacacccttt | tcctcacccc | agtagatcca | 2520 |
| acctccagcc | ccatataggg | tgaacctctt | gataagctct | ctgcctcctc | ctccctttct | 2580 |
| cccttggtggg | gaatgtttgg | aggaatcact | ggcatttgat | ggggaataac | ataagcctgg | 2640 |
| gctctgagcc | tcagctgagc | cctggaagat | tctccccatg | gggcagagtg | gtctccttac | 2700 |
| gtgctcacac | ccagtcagct | tgggtcccta | tctctggcca | gagtttggca | ggactgccat | 2760 |
| tatctggggg | gtggcctctg | ccagcaagag | aagtgtcctg | ggtgttttta | atcatgtttg | 2820 |
| aatgttaggg | gttgatcct | agagtagatg | cctgaggcca | catctgaaca | gacctgtcag | 2880 |
| ccaggcctgc | caggtcttca | cgttgaggat | tcaactggcc | aatcacagga | caggtgtcct | 2940 |
| ggcctttctt | cctgaggtct | ctaggggagg | ggcatgggta | agggtgtttc | ctcagcacc | 3000 |
| tcctgggggtg | gggattatgt | ctgctgtcat | gtctgggtct | ttagggtagg | acaggctgtg | 3060 |
| gtatgagagg | caggagtctc | cacaaggctt | catgtggccc | cttatagggc | aggccctgcc | 3120 |
| ctctgggaag | gtcccttcat | gctggaggca | cacagcttta | aggaagtagg | ttgaagtagg | 3180 |
| actccttcgt | cctctcactg | gctttggctc | cctcaataaa | ctgtgtggga | acctggctca | 3240 |
| gtgtctgtct | ctctctctca | ctctctgttt | ttcctatctg | aggtctttca | tctcctcact | 3300 |
| tcaggaaaac | acagttcagc | aaagtcttca | gatgcgatcc | tgtggaggag | aaaataccct | 3360 |
| tctggtgccc | catgaaaaag | ggaaatacca | aaaccatttg | ttcactgagc | cttgcaatag | 3420 |

<210> 7407

<211> 996

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (121)...(472)

<223> similar to gi4433387 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7407

| | | | | | | |
|--------------|-------------|-------------|-------------|-------------|-------------|-----|
| tggaccagcg | tgggtggaatt | ccgtcgtcgc | cgtcgccgct | gccgcgcgtcg | ttgttggtgt | 60 |
| gctcgggtgcg | ctgagctccg | cggctccgcg | agccgggttcc | gtcccccctcc | cgcgcgcgcc | 120 |
| atgaagtgga | tgttcaagga | ggaccactcg | ctggaacaca | gatgcgtgga | gtccgcgaag | 180 |
| attcgagcga | aatatcccga | caggggttccg | gtgattgtgg | aaaagggtctc | aggctctcag | 240 |
| attggtgaca | ttgacaaaacg | gaagtacttg | gttccatctg | atatcactgt | ggctcagttc | 300 |
| atgtggatca | tcaggaaaag | gatccagctt | ccttctgaaa | aggcgatctt | cctgtttgtg | 360 |
| gataagacag | tcccacagtc | cagcctaact | atgggacagc | tttacgagaa | ggaaaaagat | 420 |
| gaagatggat | tcttatatgt | ggcctacagc | ggagagaaca | cttttggtt | ctgagggcca | 480 |
| ttgctgggct | agggtgcaccg | taactgcttg | tgtatcttgt | aaatagccag | ccattttcag | 540 |
| ttattatacc | agaacctctt | cacatagacc | tattagtgc | tttgtaactg | gatttatattc | 600 |
| ttaatatatt | ggaagggtttt | gtttccttag | actagtaa | tatcatacag | agttttatatt | 660 |
| tgagtttttc | tttttggtgca | ttgtcctcat | gcctgtattc | tccaggaaac | ttgtccttct | 720 |
| ggaaatcata | ttgaatgata | tttctatata | gaagtgaggt | agggtgcggta | ttaaagtga | 780 |
| aggggaagggtg | atgcatttat | tctgggttat | gcttgaagtg | ttagatggct | aagtattaaa | 840 |
| attatccaaa | ttaaatcctt | agcagtcaga | acacttgctt | cactagaata | tgccaactgc | 900 |
| caatcatgtt | ggactgagct | aatttgttcc | tctttctgaa | actattaagg | taaataatta | 960 |
| acaataaaaa | ttctcttata | aaggccaaaa | aaaaaa | | | 996 |

<210> 7408

<211> 822

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (196)...(571)

<223> similar to gi4580592 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7408

| | | | | | | |
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| tacgcagcct | tcggtgcagt | cgctactcgt | gtctcgctac | cagctccccg | ctgccctgcg | 60 |
| ctcggcgggc | tggcatccgg | cccgggggaa | agcggaccag | cccttctgca | ggtctgcggg | 120 |
| gccaaagtgtc | cggcgggcgc | acctcgtggc | gagaatcggg | agaaggagga | gactacaagg | 180 |
| ataggcccg | gagtaatgga | gtccaaagag | aaacgagcag | taaacagtct | cagcatggaa | 240 |
| aatgccaacc | aagaaaatga | agaaaaggag | caagttgcta | ataaagggga | gcccttggcc | 300 |
| ctcccttttg | atgctggtga | atactgtgtg | cctagaggaa | atcgtaggcg | gttccgcgtt | 360 |
| aggcagccca | tcctgcagta | tagatgggat | atgatgcata | ggcttggaga | accacaggca | 420 |
| aggatgagag | aagagaatat | ggaaaggatt | ggggaggagg | tgagacagct | gatggaaaag | 480 |
| ctgagggaaa | agcagttgag | tcatagtctg | cgggcagtca | gactgaccc | ccctcaccat | 540 |
| gaccatcatg | atgagttttg | ccttatgccc | tgaatcctga | tggtttccct | aaagttatta | 600 |
| cggaaacaga | cccctgcttt | cgaatttaca | tgttcatgat | gtgcccttgt | tgtaaacctt | 660 |
| tacctgtcac | ttgtttacgt | gggtctccta | ttaccagctt | ctaattgaat | attgtgtttt | 720 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tgaaccagtc | tgtaagattt | ttgttagcag | aagaatttta | cctattgcat | ggaaagatgc | 780 |
| tcattatagt | gaagttaata | aagcaccttt | aaaaagcaaa | aa | | 822 |

<210> 7409

<211> 1964

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (146)...(901)

<223> similar to gil938421 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7409

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|-------------|------------|------------|------------|------------|-------------|------|
| tttcgtccgt | cgggcagcag | cggggctgtc | tatcccggct | gaggaccgcg | ggccagtgcg | 60 |
| ggtggctggc | tttgccatta | gcgggggcct | ttcctgagga | cggcgtagcg | agtgtgggga | 120 |
| atgaaggatg | gcagcatgcc | gtgcattaaa | agctgttttg | gtagatctca | gtggcacact | 180 |
| tcacattgaa | gatgcagctg | tgccaggcgc | acaggaagct | cttaaaaggt | tacgtggtgc | 240 |
| ttctgtaatc | attaggtttg | tgaccaatac | aaccaaagag | agcaagcaag | acctgttaga | 300 |
| aaggttgaga | aaattggaat | ttgatatctc | tgaagatgaa | atattcacat | ctctgactgc | 360 |
| agccagaagt | ttactagagc | ggaaacaagt | cagacccatg | ctgctagtgt | atgatcgggc | 420 |
| actacctgat | ttcaaaggaa | tacaaacaag | tgatcctaag | gctgtggtca | tgggattggc | 480 |
| accagaacat | tttcattatc | aaattctgaa | tcaagcattc | cggttactcc | tggatggagc | 540 |
| acctctgata | gcaatccaca | aagccaggta | ttacaagagg | aaagatggct | tagccctggg | 600 |
| gcctggacca | tttgtgactg | ctttagagta | tgccacagat | accaaagcca | cagtcgtggg | 660 |
| gaaaccagag | aagacgttct | ttttggaagc | attgcggggc | actggctgtg | aacctgagga | 720 |
| ggctgtcatg | ataggagatg | attgcagggg | tgatgttggt | ggggctcaag | atgtcggcat | 780 |
| gctgggcctc | ttagtaaaga | ctgggaaata | tcgagcatca | gatgaagaaa | aaattaatcc | 840 |
| acctccttac | ttaacttgtg | agagtttccc | tcagtctgtg | gaccacattc | tgcagcacct | 900 |
| attgtgaagc | aatgtgtgca | tctgaagcaa | cttgaaatgc | agcttcttat | tgtctggaat | 960 |
| gaatccctta | ccaactcagt | gccagcatcg | gtagacacca | gtcagtgtct | atcgcttttt | 1020 |
| aaccctcttt | tgttgtgcat | taattagaaa | gaaaggattt | gaattgcggc | tagccagtaa | 1080 |
| gccttgctaa | tctcttttat | tttgtaactg | aagatgagac | caaagaaaag | ggaaagctga | 1140 |
| gattttgtgc | cattcctttt | aaaatattca | tcaggttagg | tggggctgtg | ggggaaaagc | 1200 |
| tactacaggg | aagagtgttc | tctgctgtct | cttactgga | aaacagggag | gggggatttc | 1260 |
| agactgtgaa | gaaagttgaa | tggtggtttt | taaattataa | agtaatgtat | taaaagggtgc | 1320 |
| attaggctgt | agttctaata | ttgagttcaa | ctgtgaaatc | catcagatgt | gccaaatgga | 1380 |
| gaagacagaa | agcaacaaag | tgaattgttc | tttagcccaa | gtggtacagt | gaatttgctt | 1440 |
| taacagatgt | tgaaaactaa | attttctact | gtattcccag | cacgggtgac | ttctttttct | 1500 |
| cttcattagc | cagagatgac | taatttaaat | ttagaaccag | attttaattt | aaattaatat | 1560 |
| ttccattaat | aacctattca | ttgcagatac | ctattatact | gtgtaacagt | tgttttgga | 1620 |
| attttatgta | aaattaaaa | tatcagtatt | ttacagatgt | tttaattaga | cattgtttatt | 1680 |
| aacaggaaac | gtgcagaaac | tagaatcaag | ccttataata | tcttatagac | catgcatttt | 1740 |
| tgaagttagt | gtccactagg | gtcctattaa | ctgtacattt | gcaagatttc | attatttttg | 1800 |
| cctctgacac | tatgggaaaa | attttttaga | agctattggg | acagattcaa | gcttttatgc | 1860 |
| acttggttac | tacagctgta | aaatgaaatc | tcgtcttgta | gcatggatta | ttcttctcat | 1920 |
| gttaaacccta | ccaaaataaa | ggggactaaa | taggtaaaaa | aaaa | | 1964 |

```

<210> 7410
<211> 1987
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (164)...(1044)
<223> similar to gi311632 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7410
atcaagcagg ggcagggctg ggcgtgcggc gggagatgct gtcggggccgc ggcggcgctt      60
ggcagccagg agctctgcat tgaaggcact ggggtaaagt gaatgccgaa gacagaagat      120
ttggatgata caccactgac tttctttgtt tggaatacac gttatgaacc ctttctggag      180
catgtctaca agctctgtac gcaaacgac tgaaggtgaa gagaagacat taacagggga      240
cgtgaaaacc agtcctccac gaactgcacc aaagaaacag ctgccttcta ttcccaaaaa      300
tgctttgccc ataactaagc ctacatctcc tgccccagca gcacagtcaa caaatggcac      360
gcatgcgtcc tatggaccct tctacctgga atactctctt cttgcagaat ttaccttggt      420
tgtgaagcag aagctaccag gcgtctatgt gcagccatct tatcgctctg cattaatgtg      480
gtttggagta atattcatat ggcatggact ttaccaagat ggcgtattta agtttacagt      540
ttacatccct gataactatc cagatggatg ctgtccacgc ttggtgttcg atattcctgt      600
ctttcaccgg ctagttagtc ccacctcagg tgagctggat gtgaagagag catttgcaaa      660
atggaggcgg aaccataatc atatttggca ggtattaatg tatgcaagga gagtttcta      720
caagattgat acagcaagcc ccctgaaccc agaggctgca gtactgtatg aaaaagatat      780
tcagcttttt aaaagtaaag ttgttgacag tgtaaggtg tgcactgctc gtttgtttga      840
ccaacctaaa atagaagacc cctatgcaat tagcttttct ccatggaatc cttctgtaca      900
tgatgaagcc agagaaaaga tgctgactca gaaaaagaag cctgaagaac agcacaataa      960
aagtgttcat gttgctggcc tgtcatgggt aaagcctggc tcagtacagc ctttcagtaa     1020
agaagagaaa acagtggcga cttaagagat ggtgaatctg gtgcaccatg cactttcctg     1080
ctagactctg gcctagtcca agctgaccaa tggcagagga ctgcctgaag agtaaaactg     1140
tgtgaacaat gactgactgc cagtgttttc catgtatgca taggttctaa cagcagggtt     1200
tggaaacctg tctctaagta atgcattact tctgtcagaa gtgtcttagg gtggttatct     1260
agttcagtac tccaaattat tggggacctt gaggcttaag taagtatttt tctgaatata     1320
atgctaaagg taagttgcat tcatttaaac taatagagca gacagaattc agcactactt     1380
aatagtttat aaatcagtggt tttcagttgt atatatgtta ggaaatggag aggtatagag     1440
agagcagggt ccatagctca gcacttttaa gtggaagatc atttgaatct cagtcttcag     1500
cctgcactga tttgtagcct gcactgtctt actgatttac aaactgaaat cactgagaaa     1560
tgtctttagt tcagtgagaa gaaaccagaa cacttgttcc tagtgttgtg ttgttttttt     1620
taagcaaat acttacttac tgtattttta tggcaggagg gagaaaaagt gttacaacgg     1680
tttctaata agtccggtat ttaaatagata aatgactaat gtgttttagta gagacaaaag     1740
aaaccaataa atgattgttc ttgccaattt atgcaggaaa ctaccctttt ctcaataata     1800
ccaaacaaag gctaatttat aaatgcttta ttgaaaaata cacttatctt catataaaat     1860
tacagtagca gtatcttgag aagttttata aatatttttg cagaacacta ttctaattga     1920
acaatgtaag ttccatattt ctctcagcaa tatgaaagta ctagtaact tttgttatac     1980
tgattca

```



```

<210> 7411
<211> 3119
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (97)...(2661)
<223> similar to gi5912051 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7411
cggctctgtaa ttccccggctc gacgatttctg tcgcgctggc ccgggctctc ccgcccgcgc      60
ttcatggctg cacacgagtg ggactgggtc caacgcgagg agctcatcgg gcagattagc      120
gacatccgag tgcagaacct gcaagttgag agggaaaatg tgcagaagag gacctttaca      180
cgatggataa atctacatct agaaaagtgc aaccacctc tagaagttaa agattttatc      240
gtcgatatac aagatggcaa aatcctaatt gctttgttag aagtcctgtc tgggcggaat      300
ctgctgcacg aatacaaatc ctctgcgcat cgtatttttc ggttgaacaa catagcgaaa      360
gcacttaagt ttttgggaaga tagcaatgta aaactgggta gcattgatgc agcagaaata      420
gcagatggca acccttcttt gggtcttggg ctgatatgga acataatcct cttcttccag      480
attaaggagc tcacaggcaa cctcagcaga aactctccat cttccagctt ggcccctggc      540
tcagggggca cagactcaga ctcatccttc ccaccacac ccactgcaga gaggagcgtg      600
gcaatatcgg tgaaagacca gaggaaggct atcaaggccc tgttggcgtg ggtgcagagg      660
aaaacgagaa agtatggcgt ggcggtgcag gactttgcgg gcagttggag gagtgggctg      720
gctttcctgg cggatgatcaa ggccattgac ccagcctgg tggacatgaa acaggccctg      780
gaaaattcca cacgagaaaa tctagagaag gctttcagca tcgcacagga tgccctgcac      840
atccccaggc tcctggagcc agaagacatc atggttgaca caccagacga gcagtctatc      900
atgacttacg tggcacagtt tctagaacgt tttccggagt tgggaagccga agatattttc      960
gattcagata aagaagttcc tatcgaatcc acttttggtc gcatcaaaga aactccttct      1020
gaacaggaga gcaaaagtctt cgttctgact gaaaatgggg agcgtacctc cactgttaac      1080
catgaaacca gccaccacc accctccaaa gtctttgtct gtgacaagcc cgagagcatg      1140
aagggaattc gcctggatgg tgtttccagc catgcgctgt cagacagctc caccgagttc      1200
atgcaccaga ttattgacca ggtcctgcaa gggggcccag gtaagaccag cgacatcagt      1260
gagccatctc cagaatcctc cattttatca tccagaaagg agaacgggag gtccaactct      1320
ttgccgatca agaaaacagt tcactttgag gctgacacct acaaggatcc tttctgcagt      1380
aagaacctgt ccctttgctt tgaaggagc ccaagagtgg caaaggaatc attgaggcag      1440
gatggacatg tcttggcagt tgaggttgct gagggaaaagg aacagaaaca ggaatcctcg      1500
aagattccag aatcctcctc tgacaaggtc gctggtgaca tttttttggt ggagggcaca      1560
aacaataatt ctctgtcttc ttcctgtaat ggtgctttag agagtacagc ccgccacgat      1620
gaagaaagtc actctctttc acccccagga gaaaatactg tgatggccga ttccttccag      1680
atcaagggtta acctgatgac tgtagaagct ttagaggagg gagactatct tgaagccatc      1740
ccattaaaag cctcaaaatt taacagcgac ctaatagatt ttgcttctac cagccaggct      1800
ttcaacaaag ttcttccacc tcatgagaca aaacctgacg aggatgctga ggcttttgag      1860
aatcatgctg aaaaactagg taaaaggagt attaaatctg ctcaaaaaa gaaggattcg      1920
ccagagcctc aagttaagat ggacaaacat gaacctcatc aggactccgg agaagaagct      1980
gaaggctgtc cttcagcccc agaagagaca ccagtggata aaaagccaga ggtgcatgaa      2040
aaggccaaga gaaagtcac ccgtcctcat tatgaggaag agggagaaga cgatgacctc      2100
cagggtgtgg gcgaggaatt atcttccagc cccccaagca gctgtgtcag cttggagacc      2160
cttgggagtc acagcgaaga aggcctggat ttcaagccct cccacccct ctcaaagggt      2220
tccgtcattc cccacgacct cttctatttc ccacactatg aggttccctt ggctgcagtt      2280
ttggaggctt atgtagaaga cccggaggat ctaaaaaatg aagaaatgga tctcgaagag      2340
ccagagggtc atatgccaga cctggactcc agggaggagg aggccgatgg ctctcagagc      2400
agctccagtt cctcggtgcc aggagagagc ctccccagtg ccagcgacca ggtgctgtat      2460
ctcagcaggg gtggtgtggg taccacacca gcctcagaac ccgctccact ggccccccat      2520

```

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|------|
| gaggaccacc | agcaaagga | gaccaaagag | aatgacccca | tggacagcca | tcagtcccag | 2580 |
| gaatcccca | acctggaaaa | catagcaaac | cccctagaag | aaaatgtaac | gaaagaatca | 2640 |
| atcagtagta | aaaaaaaagga | aaaaaggaaa | catgtggacc | acgtagaaag | .ttcactat | 2700 |
| gtagcaccag | gaagtgttca | atcctcagat | gacctagaag | aagacagtag | cgactacagc | 2760 |
| attccttcca | ggactagtca | cagtgactcc | agcatttacc | ttcgacgaca | tactcatagg | 2820 |
| tcttcggaat | cggatcattt | tagcctatgt | tcagttgagg | aacgcagcag | atctggatga | 2880 |
| cagaagaaac | cgaatattaa | ccaggaaggc | caacagctca | ggagaagcca | tgctactggg | 2940 |
| gagccacagc | ccgcagagtg | actccctgac | acagcttgtc | cagcagccgg | atatgatgta | 3000 |
| ttttattctc | ttcctgtggc | tcttggtgta | ctgcttgctg | ctcttcccac | aactggatgt | 3060 |
| tagcaggctc | tgatacgtgt | gtctggataa | taaaaaagac | aggaccctga | aaaaaaaaa | 3119 |

<210> 7412

<211> 2445

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (574)...(1057)

<223> similar to gi2911266 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7412

| | | | | | | |
|-------------|-------------|------------|------------|------------|------------|------|
| caagctccag | agactacaat | aattcacttg | ccctaggttc | caaagccagc | aagtggaaaa | 60 |
| cggagactgg | aattccgccc | gcaggactcc | aaagcctgtg | cagcaacacc | ccactcccc | 120 |
| ggcaggatca | ccagcaggac | gcgcgggagc | cagaaagtaa | gatccgtacc | tccaaggctc | 180 |
| ccatgggccc | aagcctccgc | atcaacagac | tgggagggat | tacgtggggg | cccagggccg | 240 |
| gctctgaggc | gggaaaactt | tctggaggcg | gcggcctcag | gccggagcgg | gcgcacaccg | 300 |
| actggagggg | tggatttcag | ggatgtgggt | ggaccgcatt | tccccatctt | ccccgcgcgc | 360 |
| cacttcctct | ggtgcaatct | ccacaccccg | cgccggcccg | cctgcaacgc | gccctggcac | 420 |
| tcaccggtgg | gcgaaatttc | cccgcctcca | cgtgagagcc | agctccgcgc | tgacccggaa | 480 |
| gtccacttcg | agtcgccggc | ccaccctctc | gggttcgggc | ttcttcgggg | tcgggcctt | 540 |
| ccggcgaacg | cggttaccgt | ggaaaccgcg | gccatggcgg | caccgcggca | aatccccagc | 600 |
| cacatagtgc | gcctcaagcc | cagctgctct | acagactcgt | cgttcaccgc | gacgcgggtg | 660 |
| cccaccgtgt | ctctcgcgtc | ccgcgagctg | cctgtctcgt | cgtggcaggt | caccgagccg | 720 |
| tcaagcaaga | atctgtggga | gcagatctgc | aaggagtatg | aagctgagca | gcctcccttt | 780 |
| ccagaaggat | ataaagtcaa | acaggagcct | gtgattacgg | ttgcgccagt | agaggaaatg | 840 |
| ctttttcatg | gcttcagtgc | agagcactat | tttccggttt | cccatttcac | catgatctca | 900 |
| cgtacaccct | gtcctcaaga | taaatcgga | acaatcaacc | caaaaacatg | ttctcccaaa | 960 |
| gaatatttgg | aaactttcat | ctttcctggt | ctgcttcccg | gaatggctag | cctgcttcac | 1020 |
| caagcgaaga | aagaaaaatg | ttttgagggt | cgctgtgatc | ctgagattca | agaactgcgt | 1080 |
| cagtggcaga | agaaaacttcg | cgaggccaag | cacattcacc | agcaagtcaa | aattttcttg | 1140 |
| gccaagcaag | aacaaaaagt | gaaatgcaa | atggaggacg | atgcagtacc | tgacgccaag | 1200 |
| atgaaaattc | catcatctta | accatagcta | agacgtatct | ttgcccattc | gagcacaagt | 1260 |
| tacctgtgct | aaggaaaaatg | tccaaatgat | gctctctctc | ttgtgatttc | tttaacaaga | 1320 |
| cttgggaaca | tgtgcaaatg | gaatcttttc | tgtacaagat | aggattcatt | tgcaaacaa | 1380 |
| ctttaatgca | aatagtttag | aaaagaaaag | gaccagtctt | cacttttctg | cattatcccc | 1440 |
| acatttttatt | cattcatcca | gattacttct | ttcagtgtct | aaaggagtat | ttcttctaca | 1500 |
| ccagcttgct | ggtaaaatgg | tacaatgaac | tctagtccca | gaggaataca | gaagtgtctc | 1560 |
| tattaccagt | tttcccactt | gtggccgcct | ttgcaaagat | ccatattcta | attttaagtc | 1620 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| cccaacctct | gaatttggtt | ttaagtttac | ctagtgactg | actactctct | ttataaaaaa | 1680 |
| gaccttatac | ttaatgatca | tttccaaagg | agaccactcc | ttaactttta | ctgcaaacc | 1740 |
| aacaagatga | gacacttaaa | cccagacag | atgtaacaaa | ggatttttgt | tgtctaagtc | 1800 |
| caaagtatt | atatagaaag | ttcctgcttt | tatgggtaaa | cttattacct | taatatgttc | 1860 |
| tgtggtttgc | tgttaaccaa | gattctccca | tttaaaatgc | cacagaccga | ccctcaaggc | 1920 |
| agatccgaaa | gcctagtagt | tagttgcact | gggttggttt | gacaagctac | cacacgtctt | 1980 |
| aagtaaatag | taaagccttt | atttttgtgt | taagaacagc | attttgaaaa | taaaacctat | 2040 |
| ctgccccatgc | tttacagcct | tttaaatttg | taatatttat | atagtcgttt | atggtacata | 2100 |
| ttgattgtct | tgaaatttct | ttaacttctt | ttttataagt | atgcaacagt | cagccggggg | 2160 |
| aagataaagg | tacattataa | aacacacatt | aatgcattta | ataaatatat | attatctatc | 2220 |
| aaaagtgagc | cttagctctt | catcagttta | taaaaagcac | ctgctgagaa | ctcctgtaag | 2280 |
| ctggtatcat | cattgcatca | ttggattata | aaagccacaa | tgctcccttt | caacttgggg | 2340 |
| tttgggcctg | aggcgttcca | actcagccct | tgggcaaccg | agaccaccac | ccgagttcac | 2400 |
| ccttgtttca | gtgggtcctg | acgggcatct | gggctaataa | aaaaa | | 2445 |

```

<210> 7413
<211> 844
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(846)
<223> similar to gi4580011 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

| | | | | | | |
|------------|------------|------------|-------------|-------------|------------|-----|
| <400> 7413 | | | | | | |
| cggacgcgtg | ggggcgggcg | acttagccgg | tggcacgaca | gttgetgcag | ggaatctttt | 60 |
| aaacgagagc | gagaaggact | gcgggcagga | ccggcgggct | cctgggggttc | agccgtgccg | 120 |
| cctcgttacg | atgaccagtg | tggttaagac | agtgtatagc | ctgcagcccc | cctctgcgct | 180 |
| gagcggcggc | cagccggcag | acacacaaac | tcggggccact | tctaagagtc | tcttacctgt | 240 |
| taggtccaaa | gaagtcgatg | tttccaaaca | gcttcattca | ggaggtccag | agaatgatgt | 300 |
| tacaaaaatc | accaaactga | gacgagagaa | tgggcaaata | aaagctactg | acactgccac | 360 |
| cagaaggaat | gtcagaaaag | gctacaaaac | actgagtaag | caaaaatcag | aggaagagct | 420 |
| caaggacaag | aaccagctgt | tagaagccgt | caacaagcag | ttgcaccaga | agttgactga | 480 |
| aactcagggg | gagctgaagg | acctgaccca | aaaggtagag | ctgctggaga | agtttcggga | 540 |
| caactgtttg | gcaatttttg | agagcaaggg | ccttgatcca | gctttaggcg | gtgagaccct | 600 |
| ggcatcacga | caagaatcca | ctactgatca | catggactct | atgttgctgt | tagaaacttt | 660 |
| gcaagaggag | ctgaagcttt | ttaacgaaac | agccaaaaag | cagatggagg | agttacaggc | 720 |
| cttaaaggta | aagctggaga | tgaaagagga | aagagtcgga | ttcctagaac | agcaaacctt | 780 |
| atgtaacaat | caagtaaata | atttaacaac | agcccttaag | gaaatggagc | agctattaga | 840 |
| aatg | | | | | | 844 |

```

<210> 7414
<211> 3318
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (296)...(824)

<223> similar to gi4929753 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7414

| | | | | | | |
|-------------|------------|------------|-------------|-------------|-------------|------|
| tccaatacat | ttaatttttc | actaggacag | attccccgga | ataattctgt | tgagtcaaag | 60 |
| gaaatgagta | gttttggtc | ctgcttataa | attattataa | tggttgtaat | ccattcctag | 120 |
| agttgacttc | catgtggtg | gccaaatagg | aactttagaa | tcattttgta | aagttctaaa | 180 |
| aaactatctg | agttttgatt | gattttattt | tgaaattagc | agtaaattat | cagaacaatg | 240 |
| ctcacattgt | atztatgata | accactcact | cagtaactaa | atgtatcttt | catagattga | 300 |
| tgaactccca | gagggcgctg | tgaagcctcc | agcaaacaag | tatcctatct | tcttttttgg | 360 |
| cacccatgaa | actgcatttc | taggtcccaa | agaccttttt | ccatataagg | agtacaaaga | 420 |
| caagtttgga | aagtcaaaca | aacggaaagg | atttaacgaa | ggattgtggg | aaatagaaaa | 480 |
| taaccagga | gtaaagttta | ctggctacca | ggcaattcag | caacagagct | cttcagaaac | 540 |
| tgaggggagaa | ggtggaaata | ctgcagatgc | aagcagttag | gaagaagggtg | atagagttaga | 600 |
| agaagatgga | aaaggcaaaa | gaaagaatga | aaaagcaggc | tcaaaacgga | aaaagtcata | 660 |
| tacttcaaag | aaatcctcta | aacagtcccg | gaaatctcca | ggagatgaag | atgacaaaga | 720 |
| ctgcaaagaa | gaggaaaaca | aaagcagctc | tgaggggtgga | gatgcgggca | acgacacaag | 780 |
| aaacacaact | tcagacttgc | agaaaaccag | tgaagggacc | taactaccat | aatgaatgct | 840 |
| gcatattaag | agaaaccaca | agaaggttat | atgtttggtt | gtctaataat | cttggatttg | 900 |
| atatgaacca | acacatagtc | cttggtgtca | ttgacagaac | cccagtttgt | atgtacatta | 960 |
| ttcatattcc | tctctgttgt | gtttcggggg | gaaaagacat | tttagccttt | tttaaaagtt | 1020 |
| actgatttaa | tttcatgtta | tttggttgca | tgaagttgcc | cttaaccact | aaggattatc | 1080 |
| aagatttttg | cgcagactta | tacatgtcta | ggatcctttt | atcaaggcag | ttatgatcat | 1140 |
| cgttttcctg | ccttgacccc | accatcatca | aacactcagt | taaatataaa | ttaacatttt | 1200 |
| ttagatgacc | actcaacata | atgcttaaga | atggaatttc | ctctctgtga | cagaaccag | 1260 |
| gaattaattc | ctaaatacat | aacgttggtg | tattgaagac | gaaattaaaa | ttgtccttca | 1320 |
| gttttgaggc | catgtgtaaa | gtttaaccat | attgtaaaat | atctattccg | tattagaaat | 1380 |
| agctagttag | cagcttatac | ttctcaaaat | tcataattgtt | atgtacacaa | actaagtttc | 1440 |
| tatatgtgaa | gttagtgagt | ctttttgtgt | tactccaaaa | taaaggcaat | gattttattt | 1500 |
| tttcccagtg | ccaatacaat | tttgagctaa | gcactcaagg | tggtactttt | acatttttaa | 1560 |
| gctggaatca | gcaacagccc | tatgggaaac | cagacaaagc | attgactttt | aatgttagac | 1620 |
| ttttaaaata | aactgttttc | ttttggaact | acaattagaa | tagttaatat | tcctccttaa | 1680 |
| accattatta | tgtgtacatt | attgttgcta | ttgtgataat | agagaatttt | atttattttt | 1740 |
| atgccagctt | atattgtgag | aacacattta | gtcagtttgg | gttttatcaa | tcctgttaat | 1800 |
| gcttgtcctt | ggaacatctt | tcgcgtatct | acggtttgta | gttgaaaagt | ttactgtaaa | 1860 |
| aaaatcaaaa | acaaaaaaa | tgtattgttt | ttacagaata | aattttattg | aatgtgtact | 1920 |
| gggagtaaga | tttgaggttg | taagcaaact | aagttagtgt | aattttggct | catatatgta | 1980 |
| acgtgaggta | ttaatgtaat | tcatatatta | aagcaaaaat | tgttcacagc | aagctgacaa | 2040 |
| tagaatcaag | tgagggtgag | gggttttctt | tttctttctt | tttttttttt | aaacactttt | 2100 |
| tgggttttaa | attatttgaa | aacactgtag | gggatgatgg | ggagatgact | acatgatttg | 2160 |
| cttacactta | catatttacc | accccagtg | accctaaatt | ttgtaatttg | atattatcca | 2220 |
| tgcatgtatt | tgtatcccat | tttcttttgg | tttttttgat | gaggagctaa | taaaaacatg | 2280 |
| aggaataatg | gaggcagacc | ctaaaagcct | agggccgtta | ataatgatga | tggtgatgat | 2340 |
| ggcagctaag | ggtatgaaag | caccagtcca | tttatcatc | cagggcacag | tgaggaggtg | 2400 |
| gctgtttgga | tttttggtgt | gtttctttca | tttagtgat | actgattttc | tctagtatac | 2460 |
| tcaacataca | atcccaaaca | tgaaaagtcc | ataaaaagat | agtagggatg | tcgatctaata | 2520 |
| acttcttctt | taaaaggtcc | tttttaattt | tgaatatattg | aatgtatttt | ttaattaatg | 2580 |
| aaatttaatt | catcaaaaga | cctcttcatt | gctcacactg | aaacataagg | ggaatgtaga | 2640 |
| tggcattttg | aattggaata | tacaactcac | aaattttctt | taaaagcggt | ttatgtgtat | 2700 |

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|------|
| atatgaaatg | tttcaaattt | aataagattt | gtctttataa | gaggccaaaa | ataattttat | 2760 |
| taaaaatata | cacagaaata | caatagaaat | atttccagcc | accaataaaa | caaatgttca | 2820 |
| ttaaggatag | agataaaagt | actgatccct | atttagctgt | ttaaattcac | acaaaaaaat | 2880 |
| ttagtaaaag | taattttctt | gaaacagcag | caaataataa | actttccttg | ggaaaacatt | 2940 |
| tttcaaacia | catttaaaaa | tattctgatg | atttgccttt | tatattgagt | ttaataatga | 3000 |
| agcatattca | tcttatttgc | aaaagttact | cctccagtct | gcattcactg | ttttgaattt | 3060 |
| tttaatatgc | acaggccata | ttctcttttg | aatagtttca | tttcatgctc | actactgttg | 3120 |
| gcactaaatt | gtaatttttt | acacttataa | ttattttata | tgtcaaacia | tattgagatg | 3180 |
| gatgatcaag | tttattcaca | aatgattttg | aatatatattc | ttgagaaaca | gtttgtttta | 3240 |
| agaaatatat | tcacaaatga | ttttgcggac | gcgtgggtcg | acccgagggg | tctcaaccgg | 3300 |
| tacctctaag | gtatctag | | | | | 3318 |

```

<210> 7415
<211> 1612
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (60)...(1417)
<223> similar to gi3043670 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

| | | | | | | |
|------------|------------|------------|-------------|-------------|------------|------|
| <400> 7415 | | | | | | |
| cgacagaatg | gggcctctct | ggaagttgtc | cggggtgttc | gccgctggag | cccgggtcga | 60 |
| gaggacgagg | tgccgtgcc | tggagaatcc | tccgctgccg | tggctcccg | gagcccagcc | 120 |
| ctttcctaac | ccaaccaac | ctagcccagt | cccagccgcc | agcgctgtc | cctgtcacgg | 180 |
| acccagcgt | taccatgcat | cctgccgtct | tcctatcctt | acccgacctc | agatgtccc | 240 |
| ttctgtcct | ggtaacttgg | gtttttactc | ctgtaacaac | tgaaataaca | agtcttgata | 300 |
| cagagaatat | agatgaaatt | ttaaacaatg | ctgatgttgc | tttagtaaat | ttttatgctg | 360 |
| actggtgtcg | tttcagtcag | atgttgcac | caatttttga | ggaagcttcc | gatgtcatta | 420 |
| aggaagaatt | tccaaatgaa | aatcaagtag | tgtttgccag | agttgattgt | gatcagcact | 480 |
| ctgacatagc | ccagagatac | aggataagca | aatacccaac | cctcaaattg | tttcgtaatg | 540 |
| ggatgatgat | gaagagagaa | tacaggggtc | agcgatcagt | gaaagcattg | gcagattaca | 600 |
| tcaggcaaca | aaaaagtgc | cccattcaag | aaattcggga | cttagcagaa | atcaccactc | 660 |
| ttgatcgag | caaaagaaat | atcattggat | attttgagca | aaaggactcg | gacaactata | 720 |
| gagtttttga | acgagtagcg | aatattttgc | atgatgaactg | tgcccttctt | tctgcatttg | 780 |
| gggatgtttc | aaaaccggaa | agatatagtg | gcgacaacat | aatctacaaa | ccaccagggc | 840 |
| attctgtccc | ggatatggtg | tacttgggag | ctatgacaaa | ttttgatgtg | acttacaatt | 900 |
| ggattcaaga | taaatgtgtt | cctcttgtcc | gagaaataac | atttgaaaat | ggagaggaat | 960 |
| tgacagaaga | aggactgcct | tttctcatac | tctttcacat | gaaagaagat | acagaaagtt | 1020 |
| tagaaatatt | ccagaatgaa | gtagctcggc | aattaataag | tgaaaaaggt | acaataaact | 1080 |
| ttttacatgc | cgattgtgac | aaatttagac | atcctcttct | gcacatacag | aaaactccag | 1140 |
| cagattgtcc | tgtaatcgct | attgacagct | ttaggcatat | gtatgtgttt | ggagacttca | 1200 |
| aagatgtatt | aattcctgga | aaactcaagc | aattcgtatt | tgacttacat | tctggaaaac | 1260 |
| tgcacagaga | attccatcat | ggacctgacc | caactgatac | agccccagga | gagcaagccc | 1320 |
| aagatgtagc | aagcagcca | cctgagagct | ccttccagaa | actagcacc | agtgaatata | 1380 |
| ggtatactct | attgagggat | cgagatgagc | tttaaaaact | tgaaaaacag | tttgtaagcc | 1440 |
| tttcaacagc | agcatcaacc | tacgtggtgg | aaatagtaaa | cctatatattt | cataattcta | 1500 |
| tgtgtatttt | tattttgaat | aaacagaaag | aaattttggg | tttttaattt | tttttctccc | 1560 |

cgactcaaaa tgccattggt catttaatat tagtagcctc ttaaaaaaaaa aa

1612

<210> 7416

<211> 3067

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (217)...(1970)

<223> similar to gi3789797 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7416.

| | | | | | | |
|-------------|-------------|------------|------------|------------|-------------|------|
| ggactcctcc | ctgaaactgc | acgaggtcac | ctctcctatc | cccgtattcc | gtttggatcc | 60 |
| ttatgccaac | gtgttaggaa | ggccccctct | ggtgggtttt | gtactgtctc | tagcatttga | 120 |
| cacttaatat | ttaaaccacca | ccaatgaggt | ggacgtccta | ctcacgggac | tgagtttcca | 180 |
| aacgggccag | agagcagcac | gtgagcattt | tgcaggtgca | caaagcaggg | tcatcagaag | 240 |
| cctctcgatt | caaaagatga | taataccgaa | aaacactgcc | cagtgcagct | gaatccttgg | 300 |
| catatgaaga | aagctttcaa | agtcataaac | gaattaagaa | gtcaaaattt | gctgtgcgat | 360 |
| gtcacaattg | tggcagaaga | catggaaatt | tctgctcata | gagtgggtgt | ggcgcctgt | 420 |
| agtccttatt | ttcatgccat | gtttacaggt | gagatgagtg | agagccgagc | aaagagagtt | 480 |
| agaataaaag | aggtagatgg | ctggaccctg | aggatgctaa | ttgattatgt | ttacactgca | 540 |
| gaaattcagg | ttacagaaga | aaatgtacag | gtacttctcc | cagcagctgg | tctcttacag | 600 |
| ttacaggatg | tgaagaagac | ttgttgtgaa | tttttggaat | cccagcttca | ccctgtcaac | 660 |
| tgcttaggaa | tccgggcttt | tgctgatatg | catgcatgta | ccgaccttct | gaacaaggcc | 720 |
| aacacctatg | cagagcaaca | ttttgcagat | gttgacttta | gtgaagaatt | tctcaatctt | 780 |
| ggcatcgaac | aagtgtgcag | cttaatctca | agtgcacaa | ttaccatttc | ttcagaagag | 840 |
| aaggattttg | aagcagtaat | agcatgggtg | aaccatgaca | aggatgtgag | gcaagagttt | 900 |
| atggcccgcac | tgatggaaca | tgtacggtta | cctttgcttc | ctcgggaata | tttagttcag | 960 |
| agggttgaag | aggaagcatt | ggtcaagaat | agcagtgcct | gcaaaaatta | cctgattgaa | 1020 |
| gcaatgaagt | accatttgct | gccaacagag | cagcgtatat | taatgaagag | gggcccggacc | 1080 |
| cggctgagga | cacccatgaa | ccttcccaaa | ttgatgggtg | tggttggggg | ccaagcacca | 1140 |
| aaggctatcc | ggagtgtgga | atgctatgac | tttaagaag | aaaggtggca | ccaagtagca | 1200 |
| gagttgcctt | ccaggaggtg | cagagcaggc | atggtctaca | tggtgggact | tggttttgct | 1260 |
| gttggtggct | ttaatggctc | attaagagtt | cgcactgtag | attcctacga | ccctgtgaag | 1320 |
| gaccagtggg | ccagcgttgc | taacatgaga | gaccggagaa | gcactttggg | agctgctgtg | 1380 |
| ttaaatggat | tattatacgc | tgtgggaggc | tttgatggga | gtacagggtt | gtcatctgtg | 1440 |
| gaagcataca | acataaagtc | taatgagtg | tttcatgtag | ctcccatgaa | tacaaggagg | 1500 |
| agcagtgttg | gtgtgggtgt | tgttgagggt | ttgctctatg | ctgtaggagg | ttatgatgga | 1560 |
| gcatcacgtc | agtatcttag | cacagtagaa | tgctataatg | ctacaacaaa | tgagtggacc | 1620 |
| tatatagcag | aaatgagcac | caggcggagt | ggagcaggtg | ttggtgtgtt | aaacaattta | 1680 |
| ttgtatgctg | taggaggtca | tgatggccct | ttagtacgaa | aaagtgttga | agtatatgat | 1740 |
| cccaccacta | acgcattggg | acaggttgca | gatatgaaca | tgtgcagaag | aaatgcagga | 1800 |
| gtttgtgcag | ttaatgggtc | gttatatgtt | gttgaggagg | atgatgttcc | ctgtaacttg | 1860 |
| gcgtcagtag | aatattataa | cccaacaacc | gataaatgga | cagttgtgtc | atcgtgtatg | 1920 |
| agcacaggga | gaagtattgc | aggggtcaca | gttattgata | aaccattatg | agcctgaagg | 1980 |
| acattttcag | catattttata | catgagaaac | agccttcaac | aagtatttgt | gaagtgactg | 2040 |
| agaatctagc | acttctccac | ttgtagctgc | actttaagtc | tcagcagaag | atacgatcgt | 2100 |
| ctgcctttat | aggcctcaga | tactgaagat | tatttttggg | agaagcaccg | tgtaggcttt | 2160 |

| | | | | | | |
|------------|------------|------------|-------------|------------|-------------|------|
| ttctgcaatg | agcagcagct | gactgaatth | tcataagaaa | cttggactgc | aggacttaat | 2220 |
| ctgtagtcct | tagacaacag | ttgctttcat | aaagactagt | tcttatcaac | cttgaatgac | 2280 |
| tacagattat | tttgtgaagg | aggatgaagt | aatgtgtgtt | cttgtaaaat | taaatthttat | 2340 |
| ctttatttct | tctaaaaatc | tgtataccag | gaactgaaaa | tctttgaaca | gatattaaaa | 2400 |
| tctacgtaag | tatacaaaat | agttgagggg | tacactgttt | gcttttataa | aataactttg | 2460 |
| attacatgaa | tataataaat | tatgtgcata | taaatgtgtg | tctatatgct | ttcctttaaa | 2520 |
| tatgtttgaa | aagatgtttg | aaacttgatt | atactattta | taattggcac | agtactttga | 2580 |
| attatgccag | tactacattg | taaaacagag | ttgtattttt | tgatatttaa | caatgcttaa | 2640 |
| cactttaaat | gccacttctg | aggaatggac | ctggtgtaac | acacttgaat | atgtgtgatg | 2700 |
| ccaaactttt | taaaatacaa | tataaattat | gcttattttat | tattttcttt | agtttaatct | 2760 |
| tggtcatgtt | ttggtgtgta | tttttaattt | ttttctttaa | ttaacacttt | ggcatgaaca | 2820 |
| ttactgcagg | tttttgatga | atataatgaa | tgtatggaa | tcaattgaat | ttgcatggtc | 2880 |
| ttcggaatth | tttctgtgtg | tataaattta | gctgctatta | acagaagaga | gaactttctg | 2940 |
| tgagtagcca | tgtgtgttga | tcagatacag | ttttcttgag | atcttcaatt | aatctcactt | 3000 |
| taaaaatgac | caaaacatgt | ctttcttgaa | ttaactttga | ataaaagttt | gtatatcaaa | 3060 |
| aaaaaaa | | | | | | 3067 |

<210> 7417

<211> 2366

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2104)...(1424)

<223> similar to gi3676132 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7417

| | | | | | | |
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| tatgggctac | ttgaacacaa | ggactgagat | actgcaacag | tccatctgat | aactgagatg | 60 |
| gctacaaagt | gactaatgaa | tggttagtgt | ctacagcaca | gatatgcaga | aaaaagataa | 120 |
| aaacctgatt | aatcttcttc | aaagattatt | ctgcaaacca | gttcatcact | gggcactttc | 180 |
| caaatgagca | tttttttctt | tttaatttca | gcagggatct | gtaaactatt | ctttacctgt | 240 |
| acatacagag | atccaaggag | aaacaatcca | atcatttgca | taccagaaaa | aatgagaac | 300 |
| actgtttttg | tagatgcatg | tatcacactt | attttgcag | tagtttaatt | ggattgccaa | 360 |
| ttttgttctt | tagaatttgg | gctctacaaa | ggttacatcc | tattaaaaag | gctcaatatt | 420 |
| tacctgttca | agactacttt | tacatgtaat | tataacttgc | cataaatgaa | aatctaagaa | 480 |
| gctcttgagt | atgggttatga | cttttattaa | tcataatctgc | tgttattccc | aaacttctca | 540 |
| atgttacatg | aatactaacc | cttggtttta | tataaaatat | ggactaaagt | aaatthttacc | 600 |
| tacaggtgcc | tctctccttc | attgggtgat | taaaatttca | cgtttgagac | taaacttcat | 660 |
| tgaaactact | gcaagcatgt | gtatgataga | ccaatttagc | ttagtatctg | gcattgtggc | 720 |
| cagaaaaaaa | aaaaaatcgg | ttcctacaaa | atctcttggg | caacacttaa | gccattggaa | 780 |
| gaggcccaca | tgaatccagg | tctactttcc | tttacaggta | gattccagaa | caacaacaaa | 840 |
| aatgtgaaga | ctacaagaaa | tgatttaata | tgataaaact | cccatttcaa | aaccagttc | 900 |
| taaaggattt | actgactaat | gctgattatt | tagtcatgga | aatgtctct | cataaaagtg | 960 |
| ctcctaacaa | aacatgatct | acaataattt | ataaaatgtg | aaggggttggg | atgtgcagac | 1020 |
| tgattgggtgc | acgtcaggtt | gtttctctta | aataaggtat | aaaaaactat | gatatcatag | 1080 |
| tcttttgact | ttattttctg | agataaaaaa | gtataggcat | aggtgttttt | aatagtcttc | 1140 |
| ttgatgatat | cctttagaat | aatctatcaa | atggcttctt | tcatgtttcc | tgattatcag | 1200 |
| cattcatcag | tgttactgtc | agccttgatt | aagtgggtga | aaatttcaga | gaagaataag | 1260 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|------|
| caacttctgt | gaacctttcc | ccaatccctg | agaatcataa | tcattacaga | aatatTTTTat | 1320 |
| cctttcatca | aatatctctg | gaaagtagcc | gtgttcgttc | attgttaata | gggcaagggtg | 1380 |
| cagtgtcata | gagggttaat | ccatgtaaat | tggcttccac | ccgtaaagaa | atTTTctgaa | 1440 |
| aatcacgaat | gtaagtcagg | aaaaaaccaa | agaaggaaaa | tgacatagac | cattctgctg | 1500 |
| cagtagtgat | catgtgaagc | acataacctt | tgtcctcggg | gttccaatgg | agTTTctggt | 1560 |
| ctaaatcagt | cccaaaattg | ccactgtgca | aaactgatga | gcaagtcagc | atgctaagtg | 1620 |
| cacttactcc | acaccagata | accaacaaca | gtctgatcca | gaagacttgt | ttgccatgga | 1680 |
| TTTTgggctg | catttggtag | gaaaggatgg | tctgaacaaa | catatataat | gagcccatat | 1740 |
| caaaggtaag | cacagctcca | cttacctgtg | cagcaaaaag | ggttgTTTTc | tggaagTTTg | 1800 |
| ccacaataga | aagtcctaaa | caactcagta | ttccaagtac | aaggccagcc | ttgtTTTaatt | 1860 |
| tgatgataac | gttctcttca | ggactcagag | catgaacttg | cttataacga | acataaatgg | 1920 |
| tagcaatgca | taaaactgcc | gcaatattta | gcattgcccc | aaataagcat | TTTTctggag | 1980 |
| ctactgtacc | agtgtcactg | atataaggta | aagccgggtc | tatatgggtg | agtgttactg | 2040 |
| cagtaatgta | tgaaaatatg | aaagcagcag | atgtccaaat | tacaagggct | gaaggaagga | 2100 |
| aactgaggcc | ttgctgaaac | caccacattt | ctaacagggt | ttctgTTTTa | caacttcaca | 2160 |
| aaatgttagt | cttcagacct | gtcctacact | gcacTTTTtg | taaatccaga | ggaattaatt | 2220 |
| agaccgctga | TTTTctccgg | aagcgcgag | cactaggccg | tttgaggatc | tccgctccgc | 2280 |
| TTTgcctggg | accaggaaaa | gacgcgagag | acggaactcg | gcatcaggca | ctgcttgggg | 2340 |
| caggaggaga | gtaggggaaa | cttacc | | | | 2366 |

<210> 7418

<211> 1770

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1771)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1533) ... (327)

<223> similar to gil707049 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7418

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| TTTTTTTTTT | ttacctttaa | agagaaatgt | aaaactcagt | ttaatttcaa | gtttgtatag | 60 |
| agaatgtatg | ccacagtttg | tattttataa | acacaacctt | tcttattata | aatacaaaat | 120 |
| aagaaaaagt | gatacgttag | ctgttatgaa | gggtgaaaac | attatataaa | cttcaaaagg | 180 |
| ctgctttctg | catctgcata | tatgtaattt | catggttctc | taccaatttc | atttacagaa | 240 |
| ataatctcta | tagtcaaatt | attgttcact | ttcatgcccc | aacatgggaa | gtggtaggtg | 300 |
| aatatctgta | ggaatacaat | ttattgtctg | ctcctccact | cagaagtagc | cctgtgtctg | 360 |
| tccagtctac | actcagaact | ttgtcttcat | gagcagccag | atcatagaga | ggagccttac | 420 |
| aacttcttgt | atccccacagc | ttaacaatgt | tatctaaaga | tcctgaaatc | agctgctgtt | 480 |
| catgggtagg | agaccatttt | actgatgtca | cccaaccagt | atgtgacgtt | agggacagcg | 540 |
| acaccaaaag | accatcttta | gttcggggat | cccacagtct | gatatgccta | tctgtgcttc | 600 |
| cagatgctaa | acgttttaca | agtggagaat | aggaaatata | attaaacact | ttatttctctg | 660 |
| tcaaagttga | cttaagactg | ccagactcaa | catcccacac | tctaattgta | tggtcccaag | 720 |
| atgcactgca | gatttcttca | gcatctgacc | acagaactga | ggaaactgcc | tccatgtggc | 780 |

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|------|
| cagagaggggt | cactatggga | gtccttggtta | gtcccaactg | ttctgtcttc | tgtttctttc | 840 |
| ttggtcgatt | tgtggactcc | tccatttcat | cttcttcac | tgtagggact | gtagaccaga | 900 |
| tcttttagcat | cttatcccag | gagccactgc | aaaatttagt | tcttgagcca | tcaacagcta | 960 |
| tagaatctac | acttccagca | tgacctctac | agcagtgtag | ggctttcact | ttgtttctct | 1020 |
| ctacattcca | ctcccataag | agaatagtct | gatccataga | agcactcaat | aataagcagg | 1080 |
| acaaactatc | ttttttcacc | caggccacat | cttttacaac | atccgtatgt | cccacaattg | 1140 |
| tcattattga | ctttccttcc | aaggaccaga | tccgagaagt | cttatcataa | gaaccagtca | 1200 |
| agatccattc | ctctgcccct | ttaattgaac | tgatccagtc | atcatggaac | atgcattgct | 1260 |
| ctggctgggg | tgcagtatac | ttctccacgt | attctatttc | cacaacttct | tctgatgaga | 1320 |
| tgttctccat | ttccatgtgt | ttgtccaagg | gcattcgag | aaactggccc | ttaataagga | 1380 |
| aatcaaactc | cacatgtttg | tggaactcat | ttttgtcctt | tagtagttta | ttgatgatgt | 1440 |
| tactaaggtc | ggcaatttca | gaggcagcag | ggattgagaa | gggaacatca | tctacggcat | 1500 |
| atttcttggt | atcagtgtag | aagcgtgttt | ggagctgagc | catggcgagg | agtacacacg | 1560 |
| acttgccac | ggaaacgtac | gggttagcag | accacaaca | cgaagctcct | gccttttaag | 1620 |
| actacaaaga | ggcagctcaa | aattagactg | cacaggtaag | cgaggaactg | cagtctaagc | 1680 |
| ctggactctg | ccttctgccc | tccggtctcc | tctgcagaaa | gcacgagggt | gcccttctac | 1740 |
| agacgacgaa | atgtggnct | gcgcagcctc | | | | 1770 |

<210> 7419

<211> 4656

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2945)...(2048)

<223> similar to gi5262665 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7419

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| tgataagctt | gcaaattccg | gcagagtaaa | taaaactgtc | aaatactact | tttggtctca | 120 |
| gttcataact | tgcccaaaaa | tgtgcatatc | atagccaaca | gagtttttct | gtagaatttt | 180 |
| attttgaaaa | tatttcactt | caagattgat | ctaaaaaaca | ttttaagata | tgaaaatggt | 240 |
| atacaactta | tctattacaa | attaatcaga | taattctgca | attaggtaca | ctgtgttagc | 300 |
| tcgcctacat | aaaaaatatt | gcacatttta | ttttgtctcc | agatgtgac | gatgtctaaa | 360 |
| ctatatagaa | tttcaaacta | ttttaaggtt | attctgtgaa | atgtcatctt | tataaatatc | 420 |
| agaactaaat | gcactgtaaa | cagccatttt | ggtaaacatg | catttattca | cagttgattt | 480 |
| atttccttta | gataaatgtg | taactgctca | aaattatata | ataatctatg | tagagggtaca | 540 |
| agagcacact | atacaaatct | atttctatct | tcattgttgag | gaaacactga | tcttggcaaa | 600 |
| aatctggcat | gattttttaa | atgaactatt | gctggtaaga | aggcatactt | taaaactttt | 660 |
| ctgtggcctg | cacctgtttt | ctttttaaat | taaaatgtaa | aagcatttgt | tttcagagat | 720 |
| tcatttatca | ctgagtaagt | gattacataa | aaaaatggac | cctaaagcaa | ctgagttaaa | 780 |
| atgctttgag | agccccattc | tacttgtaag | ttatcaatgc | cttaaactgt | tagaccactc | 840 |
| actaatcata | attttaagaa | acggacaaaa | tcagacaatt | ttaatgtcat | gaaattgaca | 900 |
| caaacctgca | taatacagca | ttcctccatt | gatttgaggt | catattatac | tttaaaaata | 960 |
| taaataaata | tattgaatca | tgagtcttat | ttctataacc | ccaaaaagtg | tttcaaaatg | 1020 |
| cttctaaaac | agaagtgggt | gactgtagaa | tatagttcca | gacttgacta | ttactgtcaa | 1080 |
| acacaatcgt | tccttacaaa | taactctact | gggtgactgg | cttgattgat | tccagcaatt | 1140 |
| tcattttaca | ggagtgaacc | acacgttata | cacacagaga | atatattact | tgaaaatccc | 1200 |

| | | | | | | |
|------------|-------------|------------|-------------|-------------|-------------|------|
| caaaatagga | agaaaagttt | agaaagtgtg | caaatacttc | caaataaaaa | gtaaaggtct | 1260 |
| atctttagcc | ctctttcata | cccttaaagt | tggaatctgg | caaaagtcca | tggtgacaat | 1320 |
| ttacaaactt | tgacaaacta | ttaagtaaaa | accattttct | ttgggggagg | tgagagaagg | 1380 |
| tacctttaaa | acctgttata | caaaattcca | gctgcctttt | tataaaaagta | cgttccttag | 1440 |
| attaaaacca | taaaattaag | gtgcaagagt | ttaacaaaaa | tgaactaaag | agctttattg | 1500 |
| acatcacagt | acattcaaga | ataattttta | gaacattaca | gctgaaagag | aatggcatgt | 1560 |
| ttatagtctt | attatgcact | atattttttg | aaaaaaacgt | aatacaaaaga | aatcctatta | 1620 |
| agtaacttgg | agcagcattg | gaaaaagtac | ccctattttac | agattaaaaa | aaaaaaagat | 1680 |
| tctggtttca | cctacacagc | cacaatgtgc | ctctataatg | agacaagccc | ttaaaactca | 1740 |
| tggaattttt | ttaaagaaca | tcatggcatt | cttgccacat | cattcctcag | cgtttacgac | 1800 |
| ggggaggggt | tgttgatctg | aaaaaaaagg | gaaaagacaa | aatttaaaaa | taaaaatgta | 1860 |
| ttttaaatta | aaaatctgca | atttttaata | aataatatta | tataggattt | ctaacattta | 1920 |
| agactatgat | tatttatcaa | gtaccaaact | gagtttatta | aagagagaga | gaaaggacac | 1980 |
| tttcaacttt | gaataaattc | agtcaatttt | ttttaaaaat | cagacaaaat | actttaaaaa | 2040 |
| gtatactacc | ttgatcgga | cttagacttg | tgtttgcggc | ttgccttctt | accagacctt | 2100 |
| tgagattttc | ccacggatcg | cgatcgacta | tgtttaggct | tcttagcctt | cttttctttg | 2160 |
| ctacttcctg | gagactcaga | actgctcctt | ccactagaat | cagagcctga | atgtttttta | 2220 |
| ctatctttgg | tagtactttt | cttactatcc | tgtctagaat | catgtcttat | gattttaaca | 2280 |
| gatatagaac | cactcctaga | aaatgttctt | tcactttctc | gtttcctttt | taatctatca | 2340 |
| tectgactac | tgaacttaaa | atctttttct | tccctttttt | gtttctcttt | tcttttatec | 2400 |
| tgttcacggt | ccctttcttt | gtctttcttt | tccctatctt | tatctatact | tgcactcctc | 2460 |
| tcccttttcc | tctcttggtc | tttagcctca | cctttatgct | tatgactggt | cccactaaga | 2520 |
| tttccacggt | gatcatcaat | tttacgccta | tctcgactcc | tactgcgact | ggcacgattg | 2580 |
| gttcgtctat | cccttgagcg | acttctactt | ctacgtctct | ctcggaagg | actccgattt | 2640 |
| cgtcgtcttt | ctctttcaat | gctattttct | ttagatctcc | ttctatctct | aatctttacc | 2700 |
| ctagccctat | tgctctctat | tttaattctg | cgagaatagc | ttctactcct | gtacgtcta | 2760 |
| gctttgattg | ttggagatct | actcctactg | tgtctctttt | tcccttttagg | agaagaagac | 2820 |
| cgagaagaag | tacgactact | acctgagcta | gaactgtatg | aagagctaga | gacagtacta | 2880 |
| ctagtactac | tagttctgct | attgctactg | gaactaccac | tactagaact | tcccgaccta | 2940 |
| ctccttcctt | gtttttcttt | ttctttatgc | tctttttttg | gtttctaaaac | tgatgtgggt | 3000 |
| tcatttgagg | ttctcttctt | ttcattaacc | acatcacggt | ctgcttctct | tgcttctagt | 3060 |
| agtataaac | tattttgctc | tttatggata | aattcattca | tctcttttgt | aacctttctt | 3120 |
| gtttgctgct | tttcttcttc | catctgttta | tcatgtaata | gctgctgttc | tttttctttt | 3180 |
| ctcaaaaag | cttctgtgtt | ttgccggatt | cgatgccgta | attcttctatc | atcagtgtca | 3240 |
| gatgactcag | atcctctgtc | actcctctca | tcttcaactgt | ctcctgatcc | ataaccaccc | 3300 |
| agtcaccgga | gtccagttag | ggaagccagt | gcactggact | gtgccagctg | ttttgcagga | 3360 |
| gctttcggtg | ctttgcggtg | tgcatctttg | gctacgtaat | aaatttcttc | atctgtgaca | 3420 |
| tccagcagaa | tttctgttag | aagcattttt | gtcagcaaca | tcatttgata | ctctttctcc | 3480 |
| tcttcagtca | tctcagggtc | actgtgctct | tcttgaggaa | ctggggatgg | acttctgggtg | 3540 |
| actttccac | tacttgagc | ctcaacattt | tcagtgtctt | cttcttctct | atcactatca | 3600 |
| aatttacttc | tctgaggtaa | acgagggcca | tccctcctt | cagcatcttc | tgtggccttt | 3660 |
| ttttcttttt | tggacaattg | tgaacgttgt | tgttccattc | tttctttctc | caatttcttc | 3720 |
| tgcttttcac | gttccatttt | ttcaagacct | tgcgaatcc | aagcgggaag | agtccctgct | 3780 |
| tttactgcgt | caatttggtg | aggctcctgc | ttcacaggaa | gtgcaatagg | tgcaacgctg | 3840 |
| acgatccctg | aatgatgatg | gcctttctct | tccactctgg | ggaggtgctg | gaagtccctg | 3900 |
| gagttcctgg | ttgccaataa | ggaggatgaa | atccaccttg | cgggggacca | aaagcagccc | 3960 |
| catgctgata | gtcaaaactg | ttcactggcc | ccactgcaaa | attatcgggg | tggtccacca | 4020 |
| aagttgtgat | tgttctgggt | aaatatatgc | ctgttgctag | gggcaaattc | cccactgtcc | 4080 |
| tgactgttgc | tgtcttcaga | aggaggaaca | atgtccattg | ggcctgggtg | tggtggcatc | 4140 |
| catggctgat | ctggaggggg | gtgtgggggt | tgtgatgca | ttccccattc | tggttgccac | 4200 |
| attctgttga | agtttgaatc | cccttggaag | ttcccatgat | tgtttggaac | agattccatt | 4260 |
| gtagacatat | cttggtccatt | tggtccattt | cctgggtggt | gttctaccat | gctttgctgt | 4320 |
| cctgaagctt | ctctttgggc | aatccaagct | tgggccaatg | cagcccaatc | aatctggctt | 4380 |
| ggatcctggt | ggtgctggaa | tgactgcac | cattgttgct | ggttcaaggg | ccactgctgc | 4440 |
| caaggctgtc | ctccttgatc | ccacatccct | tcttttaaaa | tatacttgat | tttctatctc | 4500 |
| agagggtcac | cttctgttta | aaacttaggt | tgattcagac | tacagcttcg | aagcatagca | 4560 |
| gcaagattat | gtatgcccc | ctctagttcg | ggaacaccct | tgctgcggcc | gttccggtaa | 4620 |

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4656

<210> 7420

<211> 2731

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (113)...(732)

<223> similar to gi5578990 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7420

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| gtcgactctt | accggttggc | tgggccagct | gcgccgcggc | tcacagctga | cgatggggga | 120 |
| ccccagcaag | caggacatct | tgaccatctt | caagcgcttc | cgctcgggtc | ccactaacia | 180 |
| ggtgtgtttt | gattgtggtg | ccaaaaatcc | cagctgggca | agcataacct | atggagtgtt | 240 |
| cctttgcatt | gattgctcag | gggtccaccg | gtcacttggg | gttcacttga | gttttattcg | 300 |
| atctacagag | ttggattcca | actgggtcatg | gtttcagttg | cgatgcatgc | aagtcggagg | 360 |
| aaacgctagt | gcactcttct | tttttcatca | acatgggtgt | tccaccaatg | acaccaatgc | 420 |
| caagtacaac | agtcgtgctg | ctcagctcta | tagggagaaa | atcaaatacg | tcgcctctca | 480 |
| agcaacacgg | aagcatggca | ctgatctgtg | gcttgatagt | tgtgtgggtc | cacctttgtc | 540 |
| ccctccacca | aaggaggaag | atttttttgc | ctctcacgtt | tctcctgagg | tgagtgcac | 600 |
| agcgtgggca | tcagcaatag | cagaaccatc | ttctttaaca | tcaaggcctg | tggaaccac | 660 |
| tttggaataa | aatgaaggtg | gacaagagca | aggaccaagt | gtggaaggtc | ttaatgtacc | 720 |
| aacaaaggct | acttttagagg | tatcctctat | cataaaaaag | aaaccaaata | aagctaaaaa | 780 |
| aggccttggg | gccaaaaaag | gaagtgttgg | agctcagaaa | ctggcaaaca | catgctttaa | 840 |
| tgaaattgaa | aaacaagctc | aagctgcgga | taaaatgaag | gagcaggaag | acctggccaa | 900 |
| ggtggtatct | aaagaagaat | caattgtttc | atcattacga | ttagcctata | aggatcttga | 960 |
| aattcaaata | aagaaagacg | aaaagatgaa | cattagtggc | aaaaaaaaat | ttgactcaga | 1020 |
| cagactcggc | atgggatttg | gaaattgcag | aagtgttatt | tcacattcag | tgacttcaga | 1080 |
| tatgcagacc | atagagcagg | aatcacccat | tatggcaaaa | ccaagaaaaa | agtataatga | 1140 |
| tgacagtgc | gattcatatt | ttacttccag | ctcaagggtac | tttgacgagc | cagtggagtt | 1200 |
| aaggagcagt | tctttctcta | gctgggatga | cagttcagat | tcctattgga | aaaaagagac | 1260 |
| cagcaaaagt | actgaaacag | ttctgaaaac | cacaggctat | tcagacagac | ctactgctcg | 1320 |
| ccgcaagcca | gattatgagc | cagttgaaaa | tacagatgag | gccagaaga | agtttggcaa | 1380 |
| tgtcaaggcc | atttcatcag | atatgtatct | tggaaagaaa | tcccaggctg | attatgagac | 1440 |
| cagggcccg | ctagagaggc | tgctcgcaag | ttcctccata | agctcggctg | atctgttcga | 1500 |
| ggagccgagg | aagcagccag | cagggaaacta | cagcctgtcc | agtgtgctgc | ccaacgcccc | 1560 |
| cgacatggcg | cagttcaagc | agggagttag | atcggttgct | ggaaaactct | ccgtctttgc | 1620 |
| taatggagtc | gtgacttcaa | ttcaggatcg | ctacggttct | taatactgaa | gtcatgatgt | 1680 |
| gtatttctcg | gagaaattcc | tctttaaatg | aacaagtaac | cacatctcag | gcggcagtga | 1740 |
| agtcagata | gttttgcaga | ttgttttgc | actttttcat | atggtatatg | tttctgattt | 1800 |
| ttaatatttc | ttttgagaaa | ttctgagttc | tgatgtagga | gctttcctgt | gatttctgtt | 1860 |
| tcacgttctt | tcctgtcaca | ccctcctttg | gcgtctctgt | gtatatcctt | gctttatttt | 1920 |
| cttggaacct | ttgatttcaa | cactgagggc | ctggagacct | cggctcctcc | tgctcctgaa | 1980 |
| ccaggaggct | tcattgtggg | gaggaggaga | ggtctccatg | tgacacatgg | gctcagggct | 2040 |
| gccagaatca | gcggtatgct | gatgggcctg | cagaaacaac | actcaccaca | cacacttctt | 2100 |
| tcaaaagacc | aaaagtgact | ggtgtctcgt | gtgacagatt | gcttcattta | tgtttctaca | 2160 |

| | | | | | | |
|-------------|-------------|------------|------------|------------|------------|------|
| tagtaagggtg | actgccaaat | aatatttgaa | gtcatctgtc | tctttgtaaa | ttattttata | 2220 |
| tgacctataa | atttaaaaaat | gtttttcagt | gagtgtcttt | aacaaactta | agcttctgcc | 2280 |
| ctgccaaagg | aattaatgtt | atcttgtaga | aggtgttgct | gtttgaattg | atgagaaatg | 2340 |
| gaagatgaga | actccctaag | agttctcata | ataaatcatc | tcatcacaaa | tcaatacggg | 2400 |
| atacagagtt | aaagtggaa | gaggtaagaa | gatacagcta | cagaaaatag | ttgcgtgtat | 2460 |
| gggagaacag | tatttgtaat | tgggtagttt | tgtaataaaa | tattttttaa | tcttgctttt | 2520 |
| cagaaattac | cgaatgtgta | taaacaaata | aagaaaaata | atttagctgt | gttttagaca | 2580 |
| gcattagaat | atattgttca | gcacagtaaa | atatatttga | aatttgataa | gccaaaaatg | 2640 |
| tggttttgaa | tgaatatatt | gtgaatcttt | cttaaaagct | caaatttgta | gacttctaaa | 2700 |
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<210> 7421

<211> 2981

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (899)...(1426)

<223> similar to gi3184113 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7421

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| caaccacctg | gccgagaagt | ggtttcggg | ccagcgcgag | cgggcccg | cgccggcag | 120 |
| gctcggggag | ctactgcacc | aaggggcgt | aacgggaagc | cctggcgcc | gcctgcgagg | 180 |
| cgctgcgagc | agaaaccag | tgacttgatt | gtaaaaattt | acagagcgga | atcatatgct | 240 |
| ggtctccaag | agtttaaagc | agccatagaa | gatttaaatt | cagttctttt | tcaacttcca | 300 |
| gattggcctg | aggtctactt | caggaaagga | aaagtactct | ggcgatgctg | gttttttagg | 360 |
| tgatgcctta | caactctttc | ttcagtgcct | agcccttgat | gaagattttg | cacctgcaaa | 420 |
| gctgcaagta | caaaagattt | tatgtgattt | attattacct | gaaaacttaa | aagaaggcct | 480 |
| gaaggaatct | tcttgaggtt | cattaccatg | tactaaaaac | agaccttttg | attttcattc | 540 |
| agtgatggaa | gagtctcagt | ctctcaatga | acctagccca | aagcagagtg | aagaaatacc | 600 |
| agaggtcact | tcagagcctg | tcaaaggaag | cttaaaccgt | gctcagtcag | cacagtctat | 660 |
| aaattcaaca | gaaatgcctg | ccagagagga | ctgttttaaa | agagtgtcct | cagaacctgt | 720 |
| tctgtcagtt | caagaaaaag | gtgttctgct | gaaaagaaag | ttgtctcttt | tagaacagga | 780 |
| tgtgattgta | aatgaagatg | gaagaaataa | gctgaaaaaa | caaggagaaa | ctcccaatga | 840 |
| agtctgtatg | ttttccttag | cttatgggtga | tattccagaa | gaattaatcg | atgtctcaga | 900 |
| tttcgagtgt | tctctctgca | tgaggttggt | ttttgagcca | gtaacaaccc | cttgcggaca | 960 |
| ttcgttctgt | aagaattgtc | ttgagcggtg | tttagatcat | gcaccatatt | gtcctctttg | 1020 |
| caaagaaagc | ttaaaagagt | atctagcaga | taggaggtag | tgtgtcacac | agctgttgga | 1080 |
| agaattaata | gtgaagtatc | tgctgatga | actgtctgag | agaaaaaaa | tatatgatga | 1140 |
| agaaactgct | gaactctcac | acttgaccaa | gaatgttcca | atatttggtt | gcactatggc | 1200 |
| ctacccccact | gtgccttgcc | ctctccatgt | atttgagcca | agatacagat | tgatgattcg | 1260 |
| aagaagtata | cagactggaa | caaacaggtt | tggcatgtgt | gtcagtgata | cacaaaatag | 1320 |
| ttttgcagat | tatggttgta | tgttacaaat | tagaaacgtg | catttcttac | cggacggaag | 1380 |
| gtctgtgggt | gatacagttg | gaggaaagcg | gtttagggtt | ttaaaaagag | gaatgaaaga | 1440 |
| tggatattgc | actgccgaca | ttgaatatct | ggaagatgtt | taggttgaga | atgaagatga | 1500 |
| gattaagaat | ctcagagagc | ttcatgattt | ggtttactct | caagcctgca | gctggtttca | 1560 |
| gaatttaaga | gacagatttc | gaagccaaat | tcttcagcat | ttcggatcaa | tgcccgagag | 1620 |

| | | | | | | |
|-------------|-------------|------------|------------|------------|------------|------|
| ggaggaaaaac | cttcaggcag | cccctaattg | acctgcatgg | tgttggtggc | ttcttgcagt | 1680 |
| tctccctgta | gacccacgat | accagctgtc | ggttttgtca | atgaagtctt | tgaaagaacg | 1740 |
| ggtgaccaag | atacagcata | tactgacctt | tttttctaga | gaccaatcta | agtaactaac | 1800 |
| tctttggatc | tccctttaaa | gtgaccttaa | tctggctgca | ttgatggcca | gattgtctgc | 1860 |
| tgcctttgca | catctagtgc | tggtttcaga | aatttaata | aaacttttct | tttccttcga | 1920 |
| cctcctgaat | catgtggttc | tgcaaatgaa | taccttcaac | taggatttag | accactaaga | 1980 |
| acttgcacag | aaaaacacgc | attgaatgtg | tgtcgaacct | ctacattgtg | aagttgcaat | 2040 |
| atgtaccata | ctctaaaatg | aaataagaac | tctttatgtc | tgtgagagag | tgtgtgtgtg | 2100 |
| tgtgtgcgtg | cgtgtgtgct | tgtgggggtt | gggtagtgtg | tgtgtatttt | ctctggcttt | 2160 |
| aaaattttta | aacaaacaaa | caaaaaagcc | atagagagca | gaacttgccg | agggtcattt | 2220 |
| attgccccag | tttacaagag | tagcgataca | agtttttgca | aattgaattt | gcctcagata | 2280 |
| tatctgtcct | aatgcttata | tttgcacaag | tatgtaaaat | atcgtgttga | ggatcattct | 2340 |
| ttgttggaag | tactgtctct | gctgaactgt | cttgaccatt | gactatgaca | cagtttctta | 2400 |
| tttatgtaaa | tacttgcctc | acagtggccg | acaggcattg | gatgcagaac | ctagagccag | 2460 |
| ttttcaggaa | caattgtaaa | cctgacatgg | tactgtgcat | ctattcataa | aacactcaaa | 2520 |
| actgtgaaaa | tatggtttac | atttaattgt | acataaaggt | aaaggagaga | ctcaattcag | 2580 |
| taccagttag | tttgtacatt | ttagggggct | tttcacatta | actgccattt | tgtgtaattt | 2640 |
| atagtttgac | atgatgtgtt | tgttttaaaa | aaaaatgcat | agtataaacc | cattaaggat | 2700 |
| ctgggaaaaag | agaagaagtt | taatatagaa | ctaagctttt | aaagtttggt | tttgttttta | 2760 |
| attctgggtc | cgggtgcaaat | gttagttatg | ccttattcat | atcacagtta | gatcaccatg | 2820 |
| ctgcaacatg | gtttatatct | atgctgccct | agaaactttt | gtaattattt | gttgcaaat | 2880 |
| tgtgactgtc | cttattaact | ttcttttatg | taagtaattt | gtaaaagttt | cttaaaattt | 2940 |
| ttgcttttgc | ttattttaatt | ttgaataaaa | gctaaattcc | t | | 2981 |

<210> 7422

<211> 2831

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (220)...(744)

<223> similar to gi2894532 in the genepept database release 114,
Run with FASTX 3.3t00, default parameters

<400> 7422

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| gtgacgctct | atccttgccg | gggactcgtg | ggtaacttgc | ttttgggagc | cagcgggtatg | 60 |
| gcgtcgggct | gcaagattgg | cccgtccatc | ctcaacacgc | acctggccaa | tttagggggc | 120 |
| gagtgcctcc | ggatgctaga | ctctggggcc | gattatctgc | acctggacgt | aatggacggg | 180 |
| cattttggtc | ccaacatcac | ctttggtcac | cctgtggtag | aaagccttcg | aaagcagcta | 240 |
| ggccaggacc | ctttctttga | catgcacatg | atgggtgccca | agccagaaca | gtgggtaaaag | 300 |
| ccaatggctg | tagcaggagc | caatcagtac | acctttcatc | tcgaggctac | tgagaaccca | 360 |
| ggggctttga | ttaaagacat | tcggggagaat | gggatgaagg | ttggccttgc | catcaaacca | 420 |
| ggaacctcag | ttgagtattt | ggcaccatgg | gctaatacga | tagatatggc | cttggttatg | 480 |
| acagtggaac | cggggtttgg | agggcagaaa | ttcatggaag | atatgatgcc | aaaggttcac | 540 |
| tggttgagga | cccagttccc | atctttggat | atagaggctc | atgggtggagt | aggtcctgac | 600 |
| actgtccata | aatgtgcaga | ggcaggagct | aacatgattg | tgtctggcag | tgctattatg | 660 |
| aggagtgaag | accccagatc | tgtgatcaat | ctattaagaa | atgtttgctc | agaagctgct | 720 |
| cagaaacggt | ctcttgatcg | gtgaaaccat | aaggagccca | gtgttccccg | ttccatggaa | 780 |
| tctccccttt | tacttgggaa | aacaggaata | ttgactacca | aatcacaatg | caattgaagc | 840 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|------|
| cgtactgctt | ttttgagcag | ttattcattc | cagtgattaa | aactgattgt | gcagaatatt | 900 |
| ctaagaggtc | agaaattggg | gtgtataact | acattttttag | tgatgcaatt | tattgattag | 960 |
| tgagtaagat | actgttttta | ttgagagatt | tgattttttat | aaagtaaaaa | tacggctgca | 1020 |
| ttagggttac | aaacagaaaa | gtgtcttaat | gtctaaggag | ggcatattag | ctacactaca | 1080 |
| aaaacaaatt | ttgtctgtac | ttctgaaaag | aattttgttg | tttctcagct | gttttccaaa | 1140 |
| agcaaaggaa | gtcttaatgt | ttttttctat | ttcgtgttat | gtgtgatttg | tttataagtt | 1200 |
| tgggtggggg | gcataccata | ttcttggttc | ttaaaatcta | tcacttttca | ccttacactt | 1260 |
| gatgtgtgaa | aactataaaa | acaatgtgtg | aaacccaggg | gttctaaaaat | acaagcatag | 1320 |
| attttatcag | gggtgtttgt | caaagcaggt | tattcagtg | ttcctcccca | ccattcttaa | 1380 |
| gaacgttaaa | taatgctgtt | gtgttagctc | tgagtagaaa | ggaaaaagta | aaacctctgt | 1440 |
| ttggaggtaa | tattgggttg | aattctgact | gcccccttct | agctggacct | ttaacaaatc | 1500 |
| acccaatctt | ttttgtgttt | ctctaaagtc | atttatacat | taaatgtaat | tatagcaact | 1560 |
| gtggggttct | gttgagaatt | aagagctaac | actatatatg | taaagtttcc | agtactagtc | 1620 |
| ccagaattta | gaatatgctc | aacacaaagt | aaacagcatt | atataagttt | atatttttgt | 1680 |
| gagttataaa | gtactttgat | atattctcat | taaatctgta | aatcacctct | ataagtaagt | 1740 |
| ggtaataata | aagcagatat | ttttgtcccc | atttaaaaaa | tgaagaaatt | aatgcttaat | 1800 |
| aggggtgtac | cctggaaagg | atctgggaag | gggtaaaatt | tctgggtctgt | actttttaca | 1860 |
| atggagccct | tgggaggtgg | gttaggtaaa | agaagctttt | tacttaacgt | tgtcttattt | 1920 |
| ccagtctaata | tttacgctgt | agcagaacca | gatggctgag | aaaattctgg | aactatggat | 1980 |
| cttgacccca | aggatatatt | atttttattcc | aagaaagatc | aggtaggcga | aaagatgaca | 2040 |
| ggatacagag | tcaatccata | aactaaatat | ttataactgt | tctgaattat | acagagtcta | 2100 |
| aaaatatgtg | tcagctactt | cattcctgta | aatactcttg | ctgtgttata | aatatggcaa | 2160 |
| gaaataaaca | tgaccaatat | caatagactt | cttgaggcta | ctataagttt | tgagaaataa | 2220 |
| ggttcaaaaa | ataagaatgc | taacacttaa | gcacagacta | gagcttgctt | gggtttcttc | 2280 |
| ctgcattaca | aggtaaaaaat | ttgttaatgt | ttgtttttat | tcagcttggg | aaagctttgt | 2340 |
| gccatgaata | cgtcgcattt | aataacaagc | aacacacggc | atatagaaat | aactttaatt | 2400 |
| aaaaaactta | catagaagat | tataatatca | gacgtgacaa | agatttgagt | ttatttgcct | 2460 |
| ggacaacttg | ggtttgtctg | gcttttgttt | tctttttctt | taaaaataaa | tgtacagtaa | 2520 |
| aactacaagc | aaaagtttgt | cagtattgaa | ttgaattttt | tacccttaa | aaaggactag | 2580 |
| tataattttcc | aaatctctaa | caaaaactta | gtgtcaaatc | tcacagataa | ggccaaatgg | 2640 |
| ccaatatttt | cagttatgtg | ggtagtacaa | cttgagtaac | ctttttttaca | tgacaaaaag | 2700 |
| tgagttatat | aaattgtcct | caactttcac | ataggaaaaa | aatggtttaa | tagcttcaaa | 2760 |
| aggaattttc | tttcatgtat | actcttcagt | atccaatatt | gaagctttgt | tctttgaaaa | 2820 |
| atttttaattt | c | | | | | 2831 |

<210> 7423

<211> 5352

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (159)...(1857)

<223> similar to gi4589592 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7423

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| agaccctggg | gaggtggctg | ctcggagttt | atgagacggg | tgccccccacc | ctggcgtgcc | 60 |
| tgccccggcc | gcggctgagg | aggaggagga | ggaggaggag | gaggaggatg | atctccagat | 120 |
| acactcggaa | ggcggtgcca | cagagcttgg | agctgaaagg | aataacaaaa | catgctctta | 180 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| accatcatcc | ccctccagag | aagctggagg | aaatttcccc | caccagtgac | agtcatgaga | 240 |
| aagacacaag | ttcccaaagc | aagtctgaca | tcacaagaga | atcatctttt | acatcagccg | 300 |
| acactgggaa | ttcactgtct | gcttttccaa | gttatacagg | cgcagggata | tctactgaag | 360 |
| gaagctcgga | cttctcctgg | ggatatggtg | aactcgatca | aaatgccact | gaaaaagtcc | 420 |
| agacaatggt | cacagccatt | gatgaactct | tgtatgagca | gaagttgagt | gtgcatacca | 480 |
| agagtctaca | agaagagtgc | caacagtggg | cagctagctt | tcctcacctc | aggattctag | 540 |
| gtaggcagat | aatcactcca | agtgaagggt | atagattgta | tcctagatcc | ccttctgctg | 600 |
| tttccgcttc | atatgaaaca | accttgtctc | aagaaagaga | ttctactata | tttggtataa | 660 |
| ggggaaaagaa | gttacatttt | tcattcttct | atgctcataa | agcatcttcc | attgccaaat | 720 |
| cctccagctt | ttgttctatg | gaaagagatg | aggaagactc | tataatcgtc | tcagaaggaa | 780 |
| taattgagga | atacctagca | ttcgatcaca | tagatataga | agagggattt | catgggaaga | 840 |
| aatcagaagc | agctacagag | aaacagaaat | tagggatatcc | tccatttgct | ccattttact | 900 |
| gcatgaaaga | agatgtcctt | gcttatgtgt | ttgacagtgt | atgggtgcaag | gttgtgagct | 960 |
| gcatggagca | gttgacacgt | agtcactggg | aaggatttgc | ctctgatgat | gagagtaatg | 1020 |
| ttgcagttac | cagacccgat | tcagaaagtt | cctgtgtgct | gagtgaacta | catcctttgg | 1080 |
| tgttaccgcg | agtgccacag | tctaagggtgc | tgtacattac | ctcaaatecg | atgagtctct | 1140 |
| gtcaagcaag | cagacatcag | ccaaatgtga | atgatctctt | ggttcatgga | atgcctctac | 1200 |
| agccaagaaa | tctctcccta | atggacaagc | tcctagatct | tgatgacaag | ctacttatga | 1260 |
| ggcctgggtc | cagtaccatc | ctttcaactc | gaaattggcc | aaatcgagct | gtggagttta | 1320 |
| gtacatcatc | tctgtcatat | acagtgcagt | ccaccaggag | acgcaatcca | ccaccacgaa | 1380 |
| ctcttcatcc | gatcagcacg | agccattcat | gtgctgaaac | accaagatct | gtggaagaaa | 1440 |
| tcctcagagg | agcccagatc | ccagtggcac | ccgactcgct | ctcctctccc | tcaccgacgc | 1500 |
| ccctgagtcg | aaataatctg | ctaccaccta | ttggcacagc | tgaagtggaa | catgtgagca | 1560 |
| ctgtggggcc | acaaagacag | atgaaacccc | atggcgactc | tagtcgagct | caaagtgcgg | 1620 |
| tggtggatga | acctaactat | cagcagccac | aagaaaggct | ccttttgccc | gactttttcc | 1680 |
| ccaggcccaa | cacaactcaa | tcattttttgc | tggatacaca | gtatcgtcgc | tcatgtgcag | 1740 |
| ttgagtatcc | tcattcaggcc | cgacctggca | ggggatctgc | aggtcctcag | ttacatgggt | 1800 |
| ctacaaaatc | tcaaagcgga | ggcagaccag | tctctcgaac | caggcaggga | ccataaggca | 1860 |
| aatgagaaga | atctatcagg | ctgcaggaaa | cacgagattt | catgaagcag | tattcagtca | 1920 |
| tcaagtgatg | cagagcttgt | atagaagatc | gactagaaat | catcttcatg | aagagtgtatt | 1980 |
| ttggcacaag | tgaccgaaga | acaaaacacc | atagcagcca | aaaatgacat | gagtgttggt | 2040 |
| tctatctcca | gttactgtct | ctttcagcag | aaattaacct | atcccattgg | aaaggcaagt | 2100 |
| ttgtacccaa | agatgcaaca | gtgaataata | cccaaatacac | tgctcatggt | atctcttaac | 2160 |
| aatgatcagt | tcaatcatat | aggatttgat | gagctcacac | atacacaaaa | agcagcaaat | 2220 |
| catcagtgac | aatatcactg | gcttcagaat | acttcagcct | gtgttcattt | ctggagagtt | 2280 |
| gtactcagtt | ttaagtcatt | ttgctgttga | aaatctgacc | tcatacaata | gatgtcattc | 2340 |
| ctaaaactct | ctttagatgt | cctaccctat | cagcagatta | aaatggaagg | gggtgtgtaac | 2400 |
| taaaaacata | aatgttaagc | attagtataa | agtaacttct | gtaataaatt | atatcgcata | 2460 |
| ttttttcaga | taggacagct | caaccttacg | atgcctacct | gatgccaggt | gatgcttatt | 2520 |
| ttcttcctaa | agtaggttac | tggtcatatc | ttttttccaa | atattaaatg | caccttgcca | 2580 |
| gatattctcc | tgcagctcta | aggaaaggaa | atcaatttaa | aaataatttg | tagaatctac | 2640 |
| tattgagcca | ccaaagtata | attccctaaa | agtttaagaa | accctggcaa | ttaattcagc | 2700 |
| ataaacatat | cctataaaca | gcaggagagg | ttcagctttc | tgattttact | gtggaccttt | 2760 |
| tcctaagggc | attcatgaat | gcagcaacag | ttttaactat | ggcttacatt | tattttaaat | 2820 |
| ttcactaaat | acaaatcttg | attgtcatgc | cagttttaga | tcttattaat | tttcagaatg | 2880 |
| gataaattca | aataatcata | aattacggta | actttttatt | ataccaaggt | gttctaattgc | 2940 |
| catcatatga | agacagatgc | ttcaaacaac | ctgcattaaa | ttatatTTTT | aataaaaatta | 3000 |
| aaatctatTT | ttaacctatt | tgtaggtcac | aaaccgaaaa | cgtgtcgtct | ttaccttagg | 3060 |
| aggctaaagg | gcttacttta | tggcatacgg | gtatatTTaa | taggtctaca | aatcaaagga | 3120 |
| tttaaacagt | cccttaaaaa | ttccatatat | tctcatacca | actcatctac | ataggaaatg | 3180 |
| gaaaatctct | attgtttctca | caaaccatta | ccatgagttc | actattaaca | actggatcaa | 3240 |
| tatggcttgc | ctttcaaagt | taaagaatca | gaaagggggc | tgtaagaagt | cattttagccc | 3300 |
| aattccctca | ccctgtgtgt | tttccctcaa | agccagtgc | atTTTTTTTT | aacccaaaaa | 3360 |
| ctggacatgt | ttaatacata | cagtttgaca | aatttggaat | tcactctttg | ttttgatgta | 3420 |
| gtaactcttt | tataaaaagg | aacagattca | gacaagctca | gtggcccaac | tgaagacatt | 3480 |
| cagcaattaa | tggcaggact | tcagtaatca | gtggcaggac | tacaacatac | atctcttcat | 3540 |
| gctagggaaa | ccaggctctc | tattataaag | ctgaccaggg | ctattgtttt | ccccctttct | 3600 |

| | | | | | | |
|------------|------------|-------------|-------------|-------------|-------------|------|
| ctcatcctaa | acaccattca | tatttttccct | aggtcacatt | ttagtgggat | catttacaaa | 3660 |
| gccccagaa | cttaatcatc | atgttttacc | ttttttattg | aattatatac | acctcttaca | 3720 |
| aaaatgcttg | aagtaattta | acacctgtac | atcagtacaa | aacctggctg | agtaaaatga | 3780 |
| agagaggatc | tattcaagat | cattaagacc | aatgtaaac | tgggaagtat | gtggaagata | 3840 |
| gctgtccagc | aagtgtctgg | aagggtgttct | agctgggtag | agagcctatt | ctaacagaca | 3900 |
| cgcacatcgc | agaaagcagc | atgaacagaa | ccacatccta | gataagagtt | ctgtgtacag | 3960 |
| aagatccatg | gaggcaagtg | ctgtcaggaa | ggacactgcc | tccctccacc | ctcccaaattg | 4020 |
| tcaccaccaa | gttccttcag | gtgagacctc | acacaatgtc | aagtgccttc | taggaaatac | 4080 |
| taagatcagg | ttgagagatt | ctgcttggtc | tagtcaatct | gaaaaattca | ggctggaaag | 4140 |
| acaccttttc | tcaagagctg | aattgacttt | tgccttcaaa | tcctgcctgc | accttgccta | 4200 |
| cgatggcatc | aatttacacc | taaggacctt | tgaagagaaa | aattccatta | tttcttttct | 4260 |
| ttcttgagag | cagatttttt | ccctcctcct | ttggaagatt | tgcagtactt | tgcttccatc | 4320 |
| tgagccagaa | aattgtccat | ttccttttgc | cgatcctttt | gtctgctctg | tttgagaagt | 4380 |
| taaaacacaa | gctttcacaa | cattatccat | agacagaaag | tacctagtgg | ttgccagggg | 4440 |
| ctggaaaagt | ggaataacta | ctaattgggt | tggagttttt | ttggaatggt | gaaaatgtcc | 4500 |
| tacaattggt | gttaataatt | gtaaaacttt | gtaaatacac | ttaaaaccac | caaattgtac | 4560 |
| actttaaaag | gacaaataga | aggtatgcgg | ttatgtctta | aaagaagaaa | acaaaataca | 4620 |
| acattccaaa | gaaaatatta | gcagtaggaa | tcagatcatt | aaagatgtgg | caacaaactg | 4680 |
| ccaagtttac | ctgaatggct | gccttcaggc | tatccacgcc | ttcatcaagc | cccaactcct | 4740 |
| ttctgctcat | ttctgcttct | ttggcctcct | cctgagcctg | aaacaggaac | tcacatgaga | 4800 |
| ctcagggcca | ccaggaaatg | cttaaaatac | atactctttc | ccaaaagcaa | atctataatt | 4860 |
| ctgtttcaat | tttatgaata | tatgaataga | caaaatgaat | cgaattacat | aactatgtca | 4920 |
| ttcattaaat | ggcaacaatg | ctgacagcaa | gcagtagatc | ctctgattcc | aattaccatt | 4980 |
| tgttttttac | ccaattctat | ttgctagagg | tagtaagtac | tctggcactc | ataaatcaca | 5040 |
| tgatgataaa | aaggaacatg | aggccgggta | tgggtggctca | caactgtaat | ccccatacct | 5100 |
| tgggaggcca | aggtgggagg | atcacttgaa | ctcaggagtt | caagacctgc | ctgggtaaca | 5160 |
| tagtgagacc | tcagttctat | aaaaaagaaa | agaaatgagc | ctgggtgtggt | ggcatgtgct | 5220 |
| tgtagtccca | gctactaggg | aggctgaggt | gggaagatgg | cttcagtctg | agagttcagg | 5280 |
| ctgcaataag | ctgtgatcat | gcctctgcac | tccagcctgg | gtgatggaga | tgccatctct | 5340 |
| tagaaaaaag | ag | | | | | 5352 |

<210> 7424

<211> 1731

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1208)...(614)

<223> similar to gi3879344 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7424

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| gactctcatg | tgcaaccaca | tctgaccatc | attggttttg | tcatgttttg | catatagttt | 60 |
| tcttatgttt | ttaaaataaa | gcacactaag | agaactgatt | aacctacaat | gacttatgtg | 120 |
| tttatgaagt | gttctaaaaa | accatacaaa | aaccaaagaa | acaagaaaac | aaaccttttc | 180 |
| aacttgatgt | agggttcaga | agatacatat | attccaaata | ccacagtaag | cattcatctg | 240 |
| aaagtttgcc | ggttggtctt | tctattaatt | aaaaaaattc | aaaacagaat | acagatttaa | 300 |
| ctatgtacaa | tatttacaa | ttacagattt | tacaacgaaa | ttatacagtt | aagtctgtcg | 360 |
| tggaaaagtt | ggcatttttg | tatataaac | ttcagaaatt | tcaaaaacaa | ctttacctca | 420 |

| | | | | | | |
|------------|------------|-------------|-------------|------------|-------------|------|
| aaaacatggt | acacaaat | ttccaaagtgc | tgtagctcac | tggtcattt | tatctcaaca | 480 |
| atccagttta | gcaatccagg | tacccaaatc | ttgaggcatg | aagtaaccgc | tatactactg | 540 |
| agagacagca | ctttttatac | aacagcagag | gctgttagaa | accttgggtc | tttaaaaccc | 600 |
| tataacaatg | cccccttcac | cctccaatcc | tgagacaaca | aatcctgtag | ttccccctca | 660 |
| tcacgctgt | cagcattctc | ttcttccttt | ttctgcagtt | cttttatggg | caggatttct | 720 |
| ttaagtttat | tttttatttc | atcctggcga | ttcogtagct | ttccaccccg | tcggtaacac | 780 |
| tctatctgct | catcgatctc | cccaatctgg | cgggtccaacc | gtccctcctc | atcctcttcg | 840 |
| gcaactatgg | cttcggaaat | agtgttgacc | tgccctcatg | ctttttggaa | ttcgtcccac | 900 |
| tctttgtcca | tctgatcttt | tggagcatca | acctttcgta | ctcttgcatc | tacctcaggg | 960 |
| tcgtcaaaaa | aaccttcggg | taacgcttcc | gcgggtgttt | ctctcctttc | caccactttt | 1020 |
| tcagtatttt | ctgctttctc | aattgacctt | gaatgaggaa | ttatgggggc | cttggggagga | 1080 |
| ttagtactaa | agaaatcggt | tggcagcaca | ctacttggtt | cctcccgtga | agaggaaact | 1140 |
| gagtgtctct | tgccctgtgc | gtcggagagc | ggcttgctgg | cgtccccctt | ttttctttct | 1200 |
| ccatctcctt | cctcctcctc | ttcctcctcc | tcctcatctt | cataatcggg | gagtaaactg | 1260 |
| agtcctgaag | gcttactggg | agtcgctcta | atgaactcct | ttcctatttt | gtcaaagttg | 1320 |
| gtggtccacg | cagatgtgga | gggctgtacc | tgaggcacca | aggtggcctt | cgctctcttg | 1380 |
| acatcttggg | cgtctgcgtc | cggcgctttc | ctcttgacgg | actgaggcgc | tgaactggcg | 1440 |
| gacgaaccct | ggctggcttc | cttcgcgcct | ttcagctcgg | ccactttctc | tcgggtgctgc | 1500 |
| tttcccagga | cgtgagtctg | ccacaggagc | tcgctcttaa | ccggagtgtt | acacagggca | 1560 |
| caactcagct | gccccaaacg | gttggtacttc | gcgaatggag | attctatccg | tttccgactg | 1620 |
| gtgctcagac | gctgcttctc | cttcattaac | cgcgcgaatt | cttcctgatt | tatcactcgc | 1680 |
| ttccctgccg | gagtcggggc | ggaggcggag | gacgccatct | tggcgaccag | a | 1731 |

<210> 7425

<211> 1444

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (137)...(885)

<223> similar to gi35865 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7425

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|------------|-----|
| agtgttctgg | caggtaagga | acgcgggctc | ttcgccctctc | agcggcggtt | gtcctttgtt | 60 |
| ccggacgccc | gctcctcagc | cctgcgggctc | ctgggggtcgc | tgctgcatcc | cgcacgcctc | 120 |
| caccggctgc | agacctatgg | ccgagcgcgg | ggaactcgac | ttgaccggcg | ccaaacagaa | 180 |
| cacaggagtg | tggctagtca | aggttcctaa | atattttgtca | cagcaatggg | ctaaagcctc | 240 |
| tggaagaggt | gaagttggga | aactgcggat | tgccaagact | caaggaagga | ctgaggtgtc | 300 |
| atttactttg | aatgaggatc | ttgcaaata | tcagtataatt | gggtggaaaac | cagcttcagt | 360 |
| cagtgtctct | agagaacatc | cattttgtctt | gcaaagtgtt | ggaggacaga | cattaacagt | 420 |
| atttactgag | agctcatcag | ataagctgtc | attggaagga | atagtgggtac | aaagagctga | 480 |
| atgccgacca | gctgccagtg | aaaactacat | gcgattaaaa | agattgcaaa | tagaagagtc | 540 |
| ttccaaacca | gtgaggctat | cacaacagct | ggacaaagtt | gtaacaacca | attacaaacc | 600 |
| tgttgcta | catcaataca | atatcgaata | tgaaaggaaa | aagaaagaag | acggaaagcg | 660 |
| agctcgagct | gataaacaac | atgtttttaga | catgctattt | tcagcctttg | agaaacatca | 720 |
| atactataat | cttaaggact | tgggtggacat | cacaaagcaa | cctgtgggtgt | acctgaagga | 780 |
| aatcttaaaa | gaaattgggtg | ttcagaatgt | aaaagggatc | cacaaaaaca | catgggagct | 840 |
| gaagccagag | tacagacact | atcaaggaga | agaaaagagt | gactaagaag | actcctagcc | 900 |

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|------|
| agcatgctag | tgaacgact | agcagcgatg | ctatgcaaaa | ggcgctgata | ctggaaggct | 960 |
| tgaacaccgt | atgttaatag | gggttaagtg | acagtacttt | gatttctctc | ggtaaatttt | 1020 |
| ttaaaccctgt | aattcttgta | aagtttctta | actgtttttt | tgaggagaaa | gaacagattt | 1080 |
| atttatagac | ttaacttgta | ttaaaccaga | ttattcacag | taggaatagg | ggttggagga | 1140 |
| ttaagagggt | ttttcttaaa | tattagcttt | taatgtgtac | aattaggaaa | tttttttaag | 1200 |
| tgaggactct | ctacccttgc | cgtatctaag | gagctgaggt | aatacagatc | caaggagaat | 1260 |
| tgtatagcaa | gaaaaaaaca | cgtcaactac | agaaactctt | aaaaggaata | aaaacccaaa | 1320 |
| gttccttatt | ttgaaattgt | caaagaacaa | agcgggtgtt | ttccttttaa | ccaggggtgat | 1380 |
| cacgtttcgt | gttcatactc | aacgttaata | aaaggagaga | gtttgtagtg | aaaaaaaaaa | 1440 |
| aaaa | | | | | | 1444 |

<210> 7426

<211> 1957

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1958)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1797)...(1142)

<223> similar to gi285963 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7426

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|------|
| tttttttttt | ttggatgtgg | gcaaaccctg | ttttaattgc | aaacgactta | atttacagca | 60 |
| cattcaataa | tgaaccaaca | ggagagttgc | tgactttgta | acatatgaat | atataaaaaat | 120 |
| cccttgcaat | tcaggtagtc | aaggtaaaaa | gcgcatacaa | ggaaggcaat | cctcattttt | 180 |
| ctgaaaatgt | ttacatttta | aaaggtgact | agacatactt | ggaagttcaa | agcagtagga | 240 |
| tgtagcttgc | agggaaaaga | aaaccctttt | ccatgttgtt | aggcagaagt | atatcaaata | 300 |
| tatcccaatt | ccacttgata | aaagtcagtt | ggatgacctc | cttgaaccaa | tctagggcag | 360 |
| aacacttagt | aaaagcgggc | cctgggtggg | gatgtgaatc | caggagaaga | ggggcaccag | 420 |
| atcccatgca | gcgccaaca | catccattcc | accctctaac | acatacgagg | catgtcacc | 480 |
| catgtccctg | gacacaagat | ccacaagaac | agtcagcaga | tggtcactgc | tcccacggcc | 540 |
| tggtgctttc | taatggtctt | aattcaggcc | atggagaaaa | tcctttacca | ccaaacacaa | 600 |
| actgtcattg | aacttcagtc | ataaaggatg | ttgtggggga | aattcttgta | acacatacat | 660 |
| aaggacttct | atttacctaa | ttagaacaat | gattacacaa | ttgacattcc | tgtttccata | 720 |
| aggttttggt | ctctatgctg | gaatggctga | agaaaaagtt | gtctattttt | ggttttat | 780 |
| tacattttca | aaagagaggg | aacagagaga | aaaatgccca | actttggggc | ccagcaggta | 840 |
| caaaagcaga | cttctaggtc | catcagattt | gggggaagtt | tcaatgccta | gggaagggtta | 900 |
| gtgaagccca | ttatatcccc | aatcgtacag | gaagaattct | acagttaatc | tatcacagt | 960 |
| ttccagcaaa | gcatatgttg | aaaactacag | ttttcaatct | aacatctaaa | ttttaaaaag | 1020 |
| tagcatttca | gcaacaaaca | agctcagaga | ggctcatggc | aaaagtga | taacagaact | 1080 |
| attgctcaga | tgtctgcaaa | gtcaagctgc | tgccctcagc | tccgcccact | tgaaggctta | 1140 |
| ggcagacacg | taagggtggc | gtggctcctt | ggcagcacca | ttcacagtgg | catcatcata | 1200 |
| cgggggtagc | agcacgtag | tgtcattgct | ggtaacataa | accaggacat | cagaggagtt | 1260 |
| cctaccattg | atgtatcggt | agcagttcca | aacacagcta | atcaagtaac | ccttaaaagt | 1320 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|------|
| caagataatg | ctaataaaca | gaagaataat | aaggaccaa | caggtaggat | tactgacat | 1380 |
| gacatcatct | ctgtaggga | aattaggagg | cagttgccgt | atgtattcct | gaatggagtt | 1440 |
| tggataaata | agcacagtga | ttgcaaccaa | catgttcagg | gcaaagtcaa | agatctggta | 1500 |
| acagaagaat | gggatgatcc | aggctgcgcg | ttgcttgtag | gctccgtaag | tagccatagc | 1560 |
| acatatcagg | atcatgagaa | gagaaatcgc | aatggcaatg | cacatggttg | catcatccat | 1620 |
| gaactcaaag | tcacctccca | gttcagaact | tgaaaagtta | tactgatccg | gatcagccag | 1680 |
| ggcactcaat | aaaatcaaca | gtaccacagc | attgatgata | agataccaga | cgcgcgagcag | 1740 |
| gatggtgccg | gtgcggacat | ggcagcacia | gcagcagctg | ttggagtaga | accgcgtcca | 1800 |
| gggcgcgacc | atcttcatcg | ctccggggca | tgtgncgagn | gcgcgcaagt | tttcaggaga | 1860 |
| gtcnaccctt | cgtctggagc | ncgncgccc | ctgctgccgg | ctccttccgc | gctccggctn | 1920 |
| cncgcgcctc | gcccgcctcn | ccgcgggcct | gcctcct | | | 1957 |

<210> 7427

<211> 2380

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2215)...(1248)

<223> similar to gi3327176 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7427

| | | | | | | |
|------------|-------------|-------------|-------------|------------|-------------|------|
| tttttttttt | ttcaagcaag | caggggggttt | aattttctcac | acacagagtc | tggggagccc | 60 |
| agtgagggtg | caatggcagc | tagatgtgtc | ctccagctct | gtcatccttg | tcttgagggt | 120 |
| tctgtgttca | cggccctcc | aggcatggtt | tcttcattta | gtaggaaca | aaaggccaaa | 180 |
| agaacataca | agcccagctc | tctagaggct | ccaatcagaa | ctggaccctt | taactacaaa | 240 |
| ggaatcttgg | atgaattatt | tttagcgggg | cttcaggagc | aggtagcaga | gccaaagtgc | 300 |
| acactcaggc | catcttcctc | ccaatgtcct | ccccgggggc | atttccttta | ggaaatggga | 360 |
| gtcagtcctc | acaaacacag | aaagcagctc | aaggccacca | cacaggtcgc | caaaatccac | 420 |
| atcctgggtc | ctgcttctta | gctgccgaga | caagctgggt | ccccaacatc | cctggggagc | 480 |
| taggaggagc | agaggaccaa | cacatgaggc | tgagaggcat | tctgcttggg | gaatttttga | 540 |
| ggcagaggct | gccccacca | cacaactcac | tgtcagggga | ccttatcctg | ctcagagagc | 600 |
| tgctctagaa | cttaattttac | atgactcggt | caggcagaca | gagttcactg | tcttgtattc | 660 |
| cacagtgtga | cagtgggtggc | cccatccctg | gcaactgagg | gccgtggcgg | gtcgggggga | 720 |
| ggccatctta | aggaagagca | ggcagctagc | gttcagctt | tgggaactct | ggctggaaaa | 780 |
| ggtggttcac | agacgagttc | tggggcctca | ggcggcccgt | catatagacc | tttccacagg | 840 |
| ggagggcaga | agcaacaggc | gggtcccagg | agaccccagc | aggtcctcca | ccgtccagcc | 900 |
| ttcacagcac | cgggcagaat | ttacacagag | aggatcagtc | tccaagccaa | agtcagggtg | 960 |
| aggcatggtg | gtggtggtag | agaaacgctg | ggctggcttc | cagctagaag | ccaggctgga | 1020 |
| ggcaggaagg | ctcagtcgtc | tgtttctctg | ttgatgttct | cgacggagac | aggcagctct | 1080 |
| ggacttgaag | ccttgtcggg | cgaggccacg | tctagatgct | cttccttcac | acgcacagca | 1140 |
| atgatctcgc | caggaacagg | ctccgacgag | atcttccttg | caccctgagg | gtcgtcctcc | 1200 |
| agcaggggct | tcttggacct | ctgtctgagg | ggctgcgctc | tagtgggcgg | gattcttttc | 1260 |
| cttttcttcc | caaactgttt | ctttttcttc | tttgltgcct | ctttggcctt | cagcgggtgtg | 1320 |
| gccggttctg | cggccacagg | aggctggagc | tggtagccgg | tgagctcaca | ccagccgacg | 1380 |
| gggtagatgt | ctggggactc | gcagtcacac | cactggctgt | actcgctgtc | ccagccgtca | 1440 |
| aagtggatgc | tgaggagccg | atgcaccact | cgtttcaccg | tggccacaca | gatgagccgg | 1500 |
| ggctccatca | ggtccacggc | ctccagcttc | atgccacact | tgaagccatg | gtttgggcaa | 1560 |

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|------|
| tccatgttaa | agagtctcga | tggagcggt | ttcgacttgg | tcttctccaa | gtagttctcc | 1620 |
| cagttgaaag | tctgtgcctc | ataacctttt | ggcgggtgtga | gctcaatgtc | attcttctga | 1680 |
| cagaaggtgg | ccgggaagat | ggcgtgggaa | gaggcatggt | agcagaacca | gtccaagcca | 1740 |
| tctgtggagg | gcccccgtc | cacacagatc | atcaggtatc | catccaggag | aaccttacag | 1800 |
| acagttgcca | cgcagatgtt | gccagattc | agggggtcaa | tggcctccag | cttcatccct | 1860 |
| tcctcaaacc | aaccgccttc | tgtgtagact | gctcgtacct | tcttgaagag | gtaaggaacg | 1920 |
| gcatcacagt | agatcttccg | gaagggtggg | tgatgggcca | tgtcacttcg | cctctctgac | 1980 |
| atcttgatgc | cgtggcccac | acgtcgtgac | caaccctctg | ggtggatcag | ggggctccac | 2040 |
| atgtggcacc | agaagtcgtc | gtcactgtca | ccatcctcgt | agaggagccg | taggcgaccc | 2100 |
| ccgattactg | tgtccaccac | agccatgcga | gtgcgtgaca | cctgggactt | gtccaccact | 2160 |
| tccagccgca | tgccctgcct | aaaggggtac | ttcatgctct | ccaccatctt | gatgtggaaa | 2220 |
| tccacgggaa | gcgtcctgga | gccaccagc | cgtttcatga | ggtagccctt | ccagtcggtg | 2280 |
| aacttggcat | ggatggtccg | tgggggcact | aggatcttgc | tgttgatggc | acaccagcca | 2340 |
| atgggggtgga | catccactgt | tcccagggtg | caccagaagg | | | 2380 |

<210> 7428

<211> 5517

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (519)...(1815)

<223> similar to gi2130632 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7428

| | | | | | | |
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| ttaaagccca | gaaaactgaa | atcagaggat | ttcatataat | aatctaccta | tgcttcttac | 60 |
| ccttcagtac | tttctcgttt | tggaacccaa | gcgcgtcagt | gggcggggct | tcattctcgg | 120 |
| aaaacctcgg | cgggtgggagg | agtccccctc | gggagagctt | cctgaagggg | gcgaggggatg | 180 |
| acttccgtaa | tctttcggaa | gaggcggagt | cttcttccga | ggaccattcg | gaagaggcgg | 240 |
| agcttctctc | cgaggaccat | tcggaagaag | gcggagccta | cctctcatca | ggaccagtct | 300 |
| gactgcacct | gcatccttag | ctcagagcat | ccccggagca | tcttaagagc | tgagcgcagc | 360 |
| tgacaactag | gggccggacc | gtcgcaggag | gcgtccgctg | gataccttcc | cccttccctg | 420 |
| acctagagct | ctacagctgc | tgccctcggt | ctgaccgagg | gttcccagag | ctgtctcacc | 480 |
| attgcaaaaa | cgttatagca | acagcctctg | attacgacat | ggctgagatc | accaatatcc | 540 |
| gacctagctt | tgatgtgtca | ccgggtggtg | ccggcctcat | cggggcctct | gtgctggtgg | 600 |
| tgtgtgtctc | ggtgaccgtc | tttgtctggt | catgctgcca | ccagcaggca | gagaagaagc | 660 |
| acaagaaccc | accatacaag | tttattcaca | tgctcaaagg | catcagcata | taccagaga | 720 |
| ccctcagcaa | caagaagaaa | atcatcaaag | tgccggagaga | caaagatggt | cctggggagg | 780 |
| aaggtggacg | taggaacctg | ttggtggacg | cagcagaggc | tggcctgcta | agccgagaca | 840 |
| aagatcccag | ggggcctagc | tctggatctt | gtatagacca | attacccatc | aaaatggact | 900 |
| atggggaaga | actaaggagc | cctattacaa | gcctgacccc | tggggagagc | aaaaccacct | 960 |
| ctccatcatc | tccagaggag | gatgtcatgc | taggatccct | caccttctca | gtggactata | 1020 |
| acttcccga | aaaagccctg | gtggtgacaa | tccaggaggc | ccacgggctg | ccagtgatgg | 1080 |
| atgaccagac | ccagggatct | gacccctaca | tcaaaatgac | catccttcc | gacaaacggc | 1140 |
| atcgggtgaa | gaccagagtg | ctgcggaaga | ccctggaccc | tgtgtttgac | gagaccttca | 1200 |
| ccttctatgg | catcccttac | agccagctgc | aggacctggt | gctgcacttc | cttgtcctca | 1260 |
| gctttgaccg | cttctctcgg | gatgatgtca | ttggcgaggt | catggtgcca | ctggcagggg | 1320 |
| tggacccag | cacaggcaag | gtacaactga | ccagggacat | catcaaaagg | aatatccaga | 1380 |

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|------|
| agtgcacag | cagaggggag | ctccaggtgt | ctctgtcata | tcagcctgtg | gcacagagaa | 1440 |
| tgacagtgg | ggtcctcaaa | gccagacact | tgcagaagat | ggatatcgcc | ggtctctcag | 1500 |
| gtaatcctta | tgtcaaggtg | aacgtctact | acggcagaaa | gcgcattgcc | aagaagaaaa | 1560 |
| cccatgtgaa | gaagtgcact | ttgaacccca | tcttcaatga | atctttcatc | tacgacatcc | 1620 |
| ccactgacct | cctgcctgat | atcagcatcg | agttcctcgt | tatcgacttc | gatcgcacca | 1680 |
| ccaagaatga | ggtgggtggg | aggctgatcc | tgggggcaca | cagtgtcaca | gccagtgggtg | 1740 |
| ctgaacactg | gagagaggtc | tgcgagagcc | cccgcaagcc | tgtggccaag | tggcacagtc | 1800 |
| tgagcgagta | ctaactctgt | tcttctctcc | tctaatacccc | gggggccaag | ctggggaggg | 1860 |
| atgtggaggg | gaaaaagatg | acagagaagt | ggactccaaa | cctcatttta | gttgtagaag | 1920 |
| aaaattttctt | acaaaacaaa | ttccacaaag | aacaccctat | atgaccacag | ctgcagatca | 1980 |
| gttcttagca | atgatgtttt | tttttctgct | ttgcaaggcg | ctagaatctt | ttattttact | 2040 |
| ttattttttt | tgaggtggag | tttcgctctt | gttgcccggg | ctggagtga | atggtgagat | 2100 |
| ctcaactcac | tgcaacctct | gccctccagg | ttcaagggat | tctcctccct | cagcctccca | 2160 |
| agtagctggg | attacaggca | cccacgagca | tgcccggcta | atTTTTtTgt | ttttcagtag | 2220 |
| agatgggttt | caccatgttg | gccaggctgg | tctcgaattc | cagacctcag | gtgatccacc | 2280 |
| cgcctcggcc | tcccaaagtg | ctgggattac | aggtgcgagc | caccgtgcc | ggcctctggt | 2340 |
| tttgttttgt | tttttttttt | taatggggga | caaaagagag | ggaaagaccc | ctataaaatc | 2400 |
| tatatataac | aatgtaacca | tatacttgca | tgtcttaata | caaactgaag | aaattagcct | 2460 |
| aactgccaat | atcaagttgg | cagattttta | tccatggaaa | ttgtgttttg | tgctgaattg | 2520 |
| tatttgctga | ttacctgaaa | ttggcttctt | tttattgggc | ttctctggag | aatttctccc | 2580 |
| actccccacc | tctgcagaag | aaaattttgc | tcttataaaa | cctcatgttt | tcattcatcc | 2640 |
| catcttttct | ttttattgccc | tcttatatct | ctgctctttg | acctcaagg | ctagaggctct | 2700 |
| gcagtaagcc | aagaaacaaa | ggtgggggtg | atgaggcaag | gtttgcagga | gaaagaggaa | 2760 |
| ttgagaaatg | gggtattttt | gctatcagct | cttctgctat | gaagtagtaa | aaggcagctc | 2820 |
| ataattaact | gacagacct | actgaagcac | agagaataca | tcagacttat | gcattccaaga | 2880 |
| catcagaact | tggattttat | caaacttgat | gacttctcta | aaaggagctt | tggaaacttc | 2940 |
| aaattcagct | ataggatagt | accaatgaac | acatccagct | gatcccaaaa | gctgttttca | 3000 |
| ggtataagga | caaggagagg | agacaagtga | cgacagccat | tcccccttgc | agctatctac | 3060 |
| tgtagtgaca | gccatttctt | ggttgatggg | ttggaagtca | tcagagggtt | gaagaattac | 3120 |
| actggccttt | gtttttctgg | aaatgccgac | catggagatg | cttttagagt | ttctcaaata | 3180 |
| gcttagatgt | tgtaatgagg | ttagctttgc | ttcataaaac | aggggcccct | agaagtctct | 3240 |
| cttaaatttt | tcaataaaaa | tttagctctt | aaaaaaataa | cagtgtgact | gagtgaatga | 3300 |
| agataagttg | gattctttca | gagcattctt | ttcctcaaaa | cgagctgcat | aattcttgga | 3360 |
| atztatgtct | taccacatgg | tggagggatg | gaggaactac | aggatgcaat | tcttcttcta | 3420 |
| ccaatgggca | atagaggttg | agagagattc | agcatcttct | tgggattaga | attcaagtct | 3480 |
| ctttactcct | acagcagctg | tgtctccaac | gttgagactt | tgcagatggc | acagactcca | 3540 |
| tggataatag | gtaaacttgg | ggccggggcg | agtggctcac | gcctgtaatc | ccagtatttt | 3600 |
| gggaggccga | ggtggaaaga | tcgcttgagc | ccaggagttc | aagaccagcc | tgggctacat | 3660 |
| gacgaaactc | catctctatc | aaaaatacaa | aaaattaact | aggtgtgggtg | ctgcacgcct | 3720 |
| gtggtcccag | ctattcagga | ggctgaggtg | ggaggatcat | ttgagcccag | aggtagaggc | 3780 |
| tgacgtgagc | catgatcatg | ccactgcact | ctgggctggg | taacagagtg | agatcctgtc | 3840 |
| tcaaaaatta | attaattaat | taattaaaat | aaactaggta | aacttggata | ggcagtagat | 3900 |
| atTTTTgccc | acctgaggag | gaactcagtc | aagctgttgc | ttaacagctt | gatccagggc | 3960 |
| gtgaaagggt | agttgagact | gaagtgttca | cttccataga | agaacatcac | ttttaacctt | 4020 |
| gctttggcga | agggagtcgg | aaagctgagt | ctctatggac | gggggggtga | tcttgctttc | 4080 |
| agtgttccct | cagcttttgt | ggatttaaaa | ccattctgct | cccccttaac | cttttggttg | 4140 |
| atttcagccc | atgttcttga | caatgcagag | caattctgag | cagtcaaaaa | gcctactctc | 4200 |
| tgttcttgct | cctgccaaac | cccaccccc | ataatctgac | tcacaacttc | accatcagtt | 4260 |
| ggggtcatac | cactagtctc | tgtcctatac | cccatgaaat | gtaaatactg | tatcataagt | 4320 |
| agaagaaaat | aattttttgt | ttctaaaaat | gcattttgag | atagtttaat | gtaaatctga | 4380 |
| caggagcatt | ctgaagcccc | attaggaaaa | aattttaaat | gttctctctc | atcgccctaa | 4440 |
| tgtctaaaga | tcagaaatcg | ctgagcaaac | ccgcttttgt | ttccttccca | gaaacaatgc | 4500 |
| aaaacaacag | gtggagatag | tctggtcttt | gccctgctgt | gtgtgcctct | gtagctcctc | 4560 |
| ctgacaaaac | tctgggaaaa | cagcctcacc | ccactctcct | ctctcttccc | catttccctg | 4620 |
| tagctttatt | ccttgcatct | ttgggtctac | tgagcagtg | gtgctgaggt | gacaggggag | 4680 |
| gaaccagttg | ttctgtagcc | taggaactgc | ctcagtgct | ttgccagaaa | aaggcaaaga | 4740 |
| ggcggacagt | gcagggctcc | tccctcctac | ctcaggcctg | atccatcgtg | cccttgactt | 4800 |

| | | | | | | |
|-------------|-------------|------------|------------|------------|-------------|------|
| tgccgtctca | aagtttctta | gctgactttg | gctttcacat | ttgttctttc | cagagctaac | 4860 |
| tgataagagt | ggaggaggaa | tgctttctcc | taagagtcag | ttgaaagaaa | gacaagagag | 4920 |
| tcacatctta | gcttttgcac | aaggcattcg | tggtcaggaa | taggttaggg | aatggctact | 4980 |
| tctgattttc | caacagttgc | tccttctctg | aagagatctt | gattcctttg | ggaagacaag | 5040 |
| aatttttctt | aataacaaaag | gtccctttat | gagttattcc | ttctttcagt | tcctctcact | 5100 |
| ggagcacagc | caagatggac | atgtttatgg | acagtgtctc | agatgtgaaa | acagatagaa | 5160 |
| ctggtttggtg | ggacaggggc | agcttgctca | ggagagggaa | taacgcaggt | cccttttctt | 5220 |
| ggaaggcttg | tactatggcc | atgacagtga | cattgccctc | accatgatcc | ctctccaaag | 5280 |
| tggttgtctt | tctttacctt | gtgtcttctc | ttgtaaaaat | gaaactcaaa | aataaaaataa | 5340 |
| atgtgtcaaa | ttttgaaaaa | aaaagaaaac | tgaaaaagct | aacatgaatt | gtgtgaaatt | 5400 |
| gcataatgct | gtaatgctaa | tctacaatat | gtaatgctat | cttgtatggt | gaatttggtta | 5460 |
| atgcaccaca | caagtgcaaa | ataaagactg | attcacatta | cataggcaaa | aaaaaaa | 5517 |

<210> 7429

<211> 928

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (839)...(145)

<223> similar to gi2393722 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7429

| | | | | | | |
|------------|------------|-------------|-------------|------------|-------------|-----|
| tttttttttt | ttctgtttt | cattttattg | ggaacttcaa | agaaaagaaa | gagagacgga | 60 |
| ttggttccca | agacaagccg | tgacgtagac | tccaacaag | ctggggaatt | ctggacagcg | 120 |
| aaggggtgga | cagtgaact | cagcacagcc | caaagtcaaa | ggcattaggg | ttgttctgaa | 180 |
| aatagagatt | caagaagccc | tggaatatgc | tcttatccat | gagaagagca | cagactgtgg | 240 |
| ggctccactt | catggctgat | atccagagcc | gcagggctgg | cgtgtggctc | acacagtcca | 300 |
| gtatcccata | cacatccagc | cgctcaaacc | agggccagag | gaggtaatca | atcatggata | 360 |
| tacaggttcc | accaaagaag | gtggtgttct | gataactcaag | aatctcttcc | aggttgctga | 420 |
| attcctgacg | cagggctgcc | ttcagattag | tgcatctctc | cccacatctc | aacgctacca | 480 |
| ggcactcctt | ggtcaaagt | gggaccttac | aaaatagctc | caataacatc | ttttggcgag | 540 |
| ctcgttcata | agggtcatat | ggaaacagct | tccttcctgg | ataagcatca | tccaggtagt | 600 |
| cacaagcaat | aacagattca | tagatcagtt | gacattggct | ggtctccagg | acaggaatgt | 660 |
| ggccaaaagg | gtgctttgta | tagtaccatt | caggcttggt | tctcaggtta | atggtgacca | 720 |
| cttcatgtct | gatgtctttg | gccttgagga | cgaggcgggt | cctgtgagaa | taggggcaga | 780 |
| acctcatgct | gtagatgcgg | atcagccctt | ccgggactgg | ccctgggggc | tggcttctctg | 840 |
| cagagcagcg | atggaggggg | acagggaaaag | gagaggctag | cggacgcgtg | ggtcggccccg | 900 |
| ggaaaacggg | tccaaccgag | ggcgtcaa | | | | 928 |

<210> 7430

<211> 2812

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2076)...(617)
 <223> similar to gi3970876 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7430

| | | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|------------|------|
| tttttttttt | ttgaacttgc | tcagaat | ttt | attgggatta | acaggggtcca | cggggagagg | 60 |
| cgagccttct | gggggacggg | gacaagaata | cgcgaagaa | taccgcaatg | gcgaagcggc | | 120 |
| cttgcataga | caccgaggcg | ggctagcggc | gcggcgaggaa | gaggagagg | atggagaaag | | 180 |
| aacttgggag | aggaaggtgg | cagcagcgcc | tccatgggca | ctgcgcggct | gtgacgaagg | | 240 |
| ccacagcggc | cctccccgct | tcgggggtca | gggtgtccac | tccacacagc | acagggagag | | 300 |
| gggctggggc | cacaactgac | tgggagaagt | gggtagagg | gccctgacca | aggcatcaca | | 360 |
| ataaatacag | ttagcagcac | acagaagcct | gcggggggcgg | agggccaaaa | gaaggggact | | 420 |
| agcccccttt | ccctcccccc | aaaataagaa | ctctgcaatg | actaaaccat | aaaaataaac | | 480 |
| tttaaaccgg | tgtacgaagt | cggtcacc | ccagaagtgc | aatgtggggc | cgcggtggccc | | 540 |
| tagctgagga | ggagggcaaa | tgggatatgt | ggtgggggat | acagagagg | gatccccaaa | | 600 |
| aggggaaaac | ccttatccgg | ttttccccct | cttccccgga | ttggcccaac | cgtttgggac | | 660 |
| ctgaagcaca | tcccttaggt | cagagtcgtc | cgaatcttcc | ccttcttccc | agacatcttc | | 720 |
| acttcttccc | tctctcatagt | ttccttcttc | atagatgtcc | tcatcttget | ggatgccttc | | 780 |
| ctcaatgccc | tcttcttcca | ctgattcgct | tgagatgata | tctatcacgt | cctcgtagtc | | 840 |
| agcctgatcc | tgtgcaaagt | cttcaataac | tttctcatag | tactcaatgt | ctctgtcgct | | 900 |
| atcatcgctg | ccttcattgt | caccttcatt | gccatcatca | tactgcct | cattgtcacc | | 960 |
| ttcgttgcca | tcattatctt | catcatcact | ggcctcatct | gcttcattgt | cactgtcgct | | 1020 |
| gctgtcctgg | ttgttgccat | ggctgcccc | gaagccacct | ttgaagaagt | tggtgcccga | | 1080 |
| agtgttctcg | ttgttgtag | ggttctcttc | gttgtcatca | gtgttcttgt | tattgtcttc | | 1140 |
| aggattctcg | ttgttgtag | ctgcactctc | attgttgtca | gtggttctgt | ggatcatcagc | | 1200 |
| actctcggtg | ttatcagtg | tctcggtgtt | ggggacctca | ttgtgggtcag | gattctcgct | | 1260 |
| gtcgcagatg | ttctcattga | tgtaggttat | ctcattgtca | gtggtctcga | agtagtcggg | | 1320 |
| ggtctccatg | aagtcagaga | tcttgatgtc | atgaattgtc | tcatcaatgt | ctgagatctc | | 1380 |
| gctgaaaatg | tcttccactg | cataatagtc | aggggcgtct | tccatgatca | ccacctcaca | | 1440 |
| tctgcccctg | gttttacgtt | tcttcatttc | ttgcttcttt | ctctttatcc | tggagcccct | | 1500 |
| ttctctcagg | tagtagcgta | gaggggtaac | ccacagatca | ttcttgataa | tctcagcaat | | 1560 |
| cctgtcagcc | tctgggaggc | tatgggttga | gaaccagctg | aaaaagctgt | ggctcgcatc | | 1620 |
| ctggttcccc | tgacgacggg | cctgggggtc | ctggccccgg | tgccagcggg | ttgggggttga | | 1680 |
| gtgagacacc | agccggcctg | agcgggttgc | ctggaactcc | ttgacaatca | ccatgtttgt | | 1740 |
| gaagttaggg | ttagtctgga | agtacagctt | cattttgtag | cccatggaga | tatgtctgag | | 1800 |
| atcctgtacc | tgagattgg | tcaagtagcg | gaaaatgtct | tcatcacgtc | ggttgatcaa | | 1860 |
| aattgaaatt | ctgggggtgg | tgaggaatgc | tttgaccag | aagcctggga | tatgtctgat | | 1920 |
| gatgaggtct | ctgcgtcca | ggaaggtct | tcgcactctg | atgaacttgc | gcttgagacg | | 1980 |
| caggaaggct | ttgcctgcct | tgatgttcac | tgccctcaga | tccagctgaa | tatcctccag | | 2040 |
| tgccctgcagg | atgctctcca | tctctcggc | atttctctct | ctgctttccc | tcttcaacct | | 2100 |
| cctctgcttc | ctcctccggc | gccgcccggc | cctcctgctg | ctcctcatac | tctcccgtct | | 2160 |
| atcctcatcc | tcacctcca | ctatgatgat | cgcctcttcc | ttgctcttcg | ggccaactaa | | 2220 |
| cctctggggc | gcccaccca | ctgcgttaca | ggtttctagg | gccccctctc | cacccaaact | | 2280 |
| gctcgactgt | acaacctgaa | aatcgatttc | caggtcctcc | cccaggcct | caggagtggg | | 2340 |
| gagtgtctcc | aggctctccg | tgggcggggg | cgcctcccca | taccccgact | cgatggtaga | | 2400 |
| atcccagccg | ggacactcag | caccgagcgt | gaagtatgcg | cggatccccc | cctcctcgag | | 2460 |
| aatgacatag | ggaggcggcg | ggggcagcgc | ggggcccggt | cccaccccc | tcatatcggc | | 2520 |
| cagcacctgt | gccgcctccg | tttctctctg | gagcctcggg | cgctgctggg | gtggaggcag | | 2580 |
| cggcagtcgg | aggagcggcg | gcggcggcgg | cggcgggggc | gggtcgcgct | gtggagactc | | 2640 |
| ggagctgctc | aggcggcggg | tcttgccggg | aggccctca | tctgggcggg | ccatggcgac | | 2700 |
| cgcgttcgta | cagctcaggg | gactcgcact | cgcctctctg | cttttagccg | cgctcgctgcc | | 2760 |

gctagtcgca ccggttaagca gagctgagga gactcacgac gaaatcgctcg ac

2812

<210> 7431
<211> 863
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(864)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (264)...(500)
<223> similar to gi200497 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7431
gaggcggcag cgagctagag cccgagtcgc agctccgggc cgcagagcgc tgggcgagcg 60
cgagcgccag ggcaccggca gggcaggcag ctgcgcgcgg ctggagtcac gctatactga 120
aaagacactt catcaagata actctgggag aagcagaaaa ccctgtgccca gggacaggaa 180
agataggaga aagaaagttt atcagaattt tttaaactcg tctcagaaat aacaacatat 240
tttaatcaga gatttatgtt gctatgagga cagattcatc aaaaatgact gacgtggagt 300
ctgggggtcgc caattttgca tcttcagcaa gggcaggccg ccggaatgcc ttaccagaca 360
tccagagttc agctgccaca gacggaacct cagatttgcc cctcaaactg gaggtctctt 420
ccgtgaagga agatgcaaaa gagaaagatg aaaaaacaac acaagaccaa ttggaaaagc 480
ctcaaaatga agaaaaatga aggctcataa tctatcaaga gtgctgaatt tctgcatgtt 540
gaaagactta gtggttctgt tttcttgaga catttaatct ggtggtaact gtggtaacat 600
tgacagcccta agcagcatgt gtatattaga taattgtgtt gtgatgctac tcactttgat 660
tgcaatgatg atgtccaagg taagctatta aaagggcagg ttacttccaa atcgcaactgg 720
aagggaaaag gttaaggatt aatacatgat cacagaaatg cataccactg ttctgtaaaa 780
ccccaaccaa aattcactgt ttctcttttg ggggatttat tttaggcccc gatggtattt 840
tttttaattn ccattttttt tgg 863

<210> 7432
<211> 1871
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (171)...(1700)
<223> similar to gi3947678 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters


```

<400> 7432
cccacgcgtc cgcgcagagg cacgctgttg ccatggcagt gtggtcctgg ctgccgcgga      60
ggcaggtgcc ggggtctcct ttgcctcaat gtgaagagct taaaaagagg aggagaggag      120
aactcccccg gccatctctg tgatcccagc cgccgcattt tacacagaaa atgaatgaaa      180
ataaagatac tgattcaaag aaaagtgaag aatacgaaga tgactttgaa aaggacctgg      240
agtggttaat taatgaaaat gaaaaaagtg atgccagcat aatagagatg gcttgtgaga      300
aggaagagaa tattaaccaa gacttaaaag agaatgagac agtaatggag cacaccaaac      360
ggcattctga tcctgacaaa tctttgcagg atgaggtctc accaagaaga aatgacatca      420
tttctgtacc aggtattcaa cctttggatc ccatatcaga ttcagatagt gaaaactcct      480
tccaggaatc caaactagaa agccagaaag acttggagga ggaagaggat gaggaagtaa      540
ggagatatat tatggagaaa attgtacaag ctaacaagct tctacagaat caagaaccgg      600
tgaatgataa aagggagcga aaacttaagt tcaaggacca gttagttagt ttggaagtgc      660
ctccactaga agacactact acttctaaaa attattttga aaacgaaagg aatatgtttg      720
ggaaactgtc acaattatgt atttccaatg attttggaca agaagatgtg ctctgtcac      780
ttactaatgg aagctgtgaa gaaaacaagg ataggacaat actggtagag agagatggaa      840
aatttgaact tctgaattta caagacattg ccagtcaggg gtttttgctt cccattaata      900
atgcaaatag tacagaaaat gaccctcagc agttgttacc cagatcttcc aactcctctg      960
tcagtggcac caagaaagaa gattctacag caaagattca tgctgtcact cactcatcaa     1020
caggagagcc gctggcttat atcgctcagc caccactcaa ccgcaagact tgtccaagct     1080
ctgctgtcaa ctccagatcga agtaaaagga atgggaaatc taatcacagg acacagtctg     1140
cacatatctc accagtgact tcaacatact gtctttcccc tcgacagaaa gaactacaaa     1200
aacaactaga agaaaagaga gaaaaactga aaagagagga agagcgacga aaaatagaag     1260
aagagaaaga aaaaaagaga gagaatgaca tagtatttaa agcgtgggtg caaaagaaaa     1320
gagagcaggt cttagaaatg aggagaattc agcgagcaaa ggaaattgaa gacatgaaca     1380
gtagacagga aaacagagat ccacaacaag cttttcgatt atggcttaaa aaaaagcacg     1440
aagagcagat gaaagaaaga cagacagaag aactaagaaa gcaagaggaa tgtttattct     1500
tccttaaagg aacagaaggc cgggaaaggg cctttaaaca atggttaaga aggaaacgga     1560
tggaaaaaat ggcagagcaa caagctgtca gagagagaac tagacagctc cgactagaag     1620
ctaagcgttc taaacagtta cagcaccacc tatatatgtc agaagccaaa ccttttcggt     1680
ttactgatca ttataactga aagtttctat taaatatttc agtgggcagc tgctatcaaa     1740
attttggata tgatttctta gggctctgtg actttgggtg tattctaaat tatggaaatg     1800
gtatttatct tttattgaca gtgaatttgt ttttttaata ctagaacaaa ataaattttt     1860
ttctcacagt g                                     1871

```

<210> 7433

<211> 1093

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (722)...(553)

<223> similar to gill184696 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7433

```

tttttttttt ttagagttat acattttatt tgagcttcat ctctttggag aaaggggaac      60

```

| | | | | | | |
|------------|------------|------------|-------------|------------|-------------|------|
| agggatgaga | ggattaagtt | agagatggtc | tggcacaaaag | cccagagatg | tgggggtgtgt | 120 |
| gaagaaggaa | attcatgact | agaatatatg | ctgaagggtga | aatgagggga | gcctggatag | 180 |
| ggaattcaga | gataattgtt | ggcatttagt | aatgtgattt | gggagtatga | tcccagccgc | 240 |
| agagcaatgg | aagaaggctg | gcaggtagta | ggagtcacag | tcaggaagga | agtactgcta | 300 |
| gttcgtatcc | agtctaggtc | tctgggacaa | ttgaccctt | tttgggtagg | aggatttgcc | 360 |
| agcattatct | gacccttat | ttctagttca | tctcctagac | atcttcattg | ctggtgccct | 420 |
| ctggtgagta | tgaatccata | ggatggcgtc | tcctctccac | tgaccatgtc | cgagtctgag | 480 |
| tctgagactg | ggtggaagcc | atagacggat | gatacatagg | ccagtaacgc | tgctgaggaa | 540 |
| aagtgtgagc | tcttgcccta | gatttggggt | tgggtcccat | ctcaggctca | gtctcaggct | 600 |
| ggggctccat | ctcggctctg | gtcttgggtc | cggctccagc | cttgggctcc | atttcaggct | 660 |
| ccagctcccc | atccaggtct | aggccagac | ccagcccagc | ctcttggtct | gattccagct | 720 |
| ccaaatccaa | ctccgactcc | tcttctacag | gctggtggat | cttgatgaag | cctggactta | 780 |
| catttttttg | gcttcctaga | aaactgctgc | tcattttata | tcttgaattg | tcattcttgt | 840 |
| ctgtttctga | gtaggtttcc | cgtatcactg | tctcggattc | atcgatgctt | aactcagagg | 900 |
| agcctatgac | cttccttgac | aaggcaaaca | gcacggcgtc | gtgaacgctg | aggaacagct | 960 |
| gggtcttggg | gatgccagcg | tcaaagaaat | cattcctctc | aaatgccttg | actatggaag | 1020 |
| agtgcacccc | tgcaatgagt | atcaaaatgt | tggcggtttg | aaaggcattg | catatccgtc | 1080 |
| ttaatacgac | taa | | | | | 1093 |

<210> 7434

<211> 1999

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1074)...(1219)

<223> similar to gi3335367 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7434

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|------|
| cttagtccgg | ccgctcgcg | tctagaactg | aggctggcag | tgtgaggagc | tgctatgggtg | 60 |
| ctgagtttcc | tggtagagcc | ggccgagctg | aggcggtcgc | ggccatgaag | gcggggtgcc | 120 |
| cgtctatgtg | ggcttcgtgc | tgtgggctgc | tgaatgaagt | catgggaact | ggagctgtca | 180 |
| ggggccagca | gtcagcattt | gcaggagcca | cgggtccatt | cagattttaca | ccaaaccttg | 240 |
| agttttccac | ctaccaccca | gcagctacgg | aagggcccaa | catagtttgt | aaagcctgtg | 300 |
| ggctttcatt | ttcagtcttt | aaaaagaagc | atgtttgctg | tgactgcaag | aaggattttt | 360 |
| gtccggtttg | ttcagtctta | caagaaaatc | tccgtagatg | ttctacttgt | cacttattac | 420 |
| aagagacagc | atttcagcgc | cctcagttaa | tgcgactgaa | ggtgaaggac | ctgcggcagt | 480 |
| atctcattct | gagaaatata | cccatagata | cttgctcgtg | gaaagaagac | ttggtggatc | 540 |
| tagtactgtg | ccatcatgga | ctaggctctg | aggacgacat | ggacacaagc | agtctgaatt | 600 |
| cttcaaggtc | ccagacttct | agctttttta | caggttcggt | tttttcaaac | tatacagccc | 660 |
| cctctgctac | tatgtcttcg | tttcagggg | agcttatgga | tggagaccaa | acatccagat | 720 |
| ctggagtgcc | ggcacaggta | caaagtgaag | tcacttcagc | aaacacagaa | gatgatgatg | 780 |
| acgacgatga | tgaggatgat | gatgatgaag | aagaaaacgc | agaggatcgg | aaccccgggc | 840 |
| tctccaagga | gagagtgaga | gcttcactgt | ctgacttgct | aagccttgat | gatgtggaag | 900 |
| gaatgagcgt | gcgccagctg | aaggaaattc | tggctcgga | ttttgtcaac | tattctggct | 960 |
| gttggtgaaa | atgggaactg | gtagagaaag | taaaccggtt | atacaaagag | aatgaagaaa | 1020 |
| accaaagtc | ctatggcgag | cggctgcagc | tgcaggatga | ggaagacgac | agcctgtgtc | 1080 |
| gcatctgcat | ggatgccgtc | atcgactgtg | tcctactgga | gtgtgggcac | atggttacct | 1140 |

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|------|
| gcaccaagtg | cggcaagcgc | atgagtgagt | gtcccatctg | ccggcagtat | gtggtgcgag | 1200 |
| ccgtgcacgt | gttcaagtcc | tgaaacaggc | tcccctcacc | aggacagtca | cccccaaact | 1260 |
| tgacccccaa | catttcaatg | cacagaaggg | actggaaagt | tatgttcaaa | ggctgaagct | 1320 |
| attttaaaac | attattttga | ctactaagtg | gggacagaaa | gatccatcct | gagttgtgga | 1380 |
| aacattgggtc | catgccgtga | gcctgtctgc | ctgtggacac | gtgagcttcc | cgggctcagc | 1440 |
| tgggctttat | cacacatccc | gtgaacactc | attgaagtca | gcctgtttgc | gccatgtggg | 1500 |
| catcagccac | tgctgtcttg | ggaggacact | tatcctgttc | tcttatttcc | ccttcatcct | 1560 |
| atttttaact | taaactgctc | agatgtttga | aacttctgtc | ctctttggat | gagatcagtg | 1620 |
| tccacaagtg | gccgacatgg | aacatgctga | gcagtggctc | ctctgaatgt | tcactttatt | 1680 |
| agtcatgtat | attttaaagt | ctaacatttg | atgaatgtaa | gtttccacat | tggtgctgtt | 1740 |
| tctgcattta | aacataattg | ggaacaactg | acattctcta | gtcgactgcc | agggccttag | 1800 |
| actccacatg | tccatttttg | ttcaggtata | gctttttata | gcaagggctg | catctagctt | 1860 |
| cttttattag | aagtgtgtgt | gctaaattcc | ttattaatgt | gtaatcagtt | tacattgttt | 1920 |
| tgtatagtga | aggtgtattt | tcagtgtctac | ccgctagctg | attttaactt | taggaataaa | 1980 |
| attagtttta | aaaaaaaaa | | | | | 1999 |

<210> 7435

<211> 1847

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (727)...(1200)

<223> similar to gil335017 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7435

| | | | | | | |
|-------------|-------------|-------------|------------|------------|------------|------|
| ggcacaagcc | tctctctctc | tccctctctc | tctccctctc | tctctctccc | tgtgtcgctt | 60 |
| aaacaacagt | cctaactttt | gtgtgttgca | aatataaaag | gcaagccatg | tgacagaggg | 120 |
| acagaagaac | aaaagcattt | ggaagtaaca | ggacctcttt | ctagctctca | gaaaagtctg | 180 |
| agaagaaagg | agccctgcgt | tcccctaagc | tgtgcagcag | atactgtgat | gatggattgc | 240 |
| aagtgc aaag | agtaagacaa | aactccagca | cataaaggac | aatgacaacc | agaaagcttc | 300 |
| agcccgatcc | tgccctttcc | ttgaacggga | ctggatccta | ggaggtgaag | ccatttccaa | 360 |
| ttttttgtcc | tctgcctccc | tctgctgttc | ttctagagaa | gtttttcctt | acaacaatga | 420 |
| gaaaacatgt | actagctgca | tcctttttcta | tgtctctcct | gctggtgata | atgggagata | 480 |
| cagacagtaa | aacggacagc | tcattcataa | tggactcgga | ccctcgacgc | tgcatgaggc | 540 |
| accactatgt | ggattctatc | agtcacccat | tgtacaagtg | tagctcaaag | atggtgctcc | 600 |
| tggccagggtg | cgagggggcac | tgcaagccagg | cgtcacgctc | cgagcctttg | gtgtcgttca | 660 |
| gactgtcctc | caagcaacct | ttccgttcc | cctgtcactg | ctgccggccc | cagacttcca | 720 |
| agctgaaggc | actgcggctg | cgatgctcag | ggggcatgcg | actcactgcc | acctaccggt | 780 |
| acatcctctc | ctgtcactgc | gaggaatgca | attcctgagg | cccgtgctg | tgtgtggcct | 840 |
| ctggatggga | caactgtaga | ggcagttcga | ccagccagg | aaagactggc | aagaaaagag | 900 |
| ttaaggcaaa | aaaggatgca | acaattctcc | cgggactctg | catattctag | taataaagac | 960 |
| tctacatgct | tgttgacaga | gagagatact | ctgggaactt | ctttgcagtt | cccatctcct | 1020 |
| ttctctggta | caatttcttt | tggttcattt | tcagattcag | gcattttccc | ccttggctct | 1080 |
| caatgctgtt | tgggtttcca | acaattcagc | attagtggga | aaaagtgggc | cctcatacac | 1140 |
| aagcgtgtca | ggctgtcagt | gtttggtgca | cgctggggaa | gaatttactt | tggaaagtag | 1200 |
| aaaagcccag | cttttctctg | gacatcttct | gttattgttg | atgttttttt | ttacctgttc | 1260 |
| attttgggtct | aaggttgcca | ttgctgctaa | aggttaccga | tttcaaagtc | cagataccaa | 1320 |

| | | | | | | |
|------------|-------------|-------------|-------------|------------|------------|------|
| gcatgtggat | atgttttagct | acgttttactc | acagccagcg | aactgacatt | aaaataacta | 1380 |
| acaaacagat | tcttttatgt | gatgctggaa | ctcttgacag | ctataattat | tattcagaaa | 1440 |
| tgactttttg | aaagtaaaag | cagcataaaag | aattttgtcac | aggaaggctg | tctcagataa | 1500 |
| attatggtaa | aattttgtaa | gggagcagac | ttttaaaagac | ttgcacaaat | acggatcctg | 1560 |
| cactgactct | ggaaaaggca | tatatgtact | agtggcatgg | agaatgcacc | atactcatgc | 1620 |
| atgcaaatta | gacaaccaag | tatgaatcta | tttgtgggtg | tgctatagct | ttagccgtgt | 1680 |
| cacgggcac | attctcta | atccacttgt | ccatgtgaaa | catgttgcca | aaatggtggc | 1740 |
| ctggcttgtc | ttctgaacgt | ttggttcaaa | tgtgttttgg | tcctggaggc | tcaaattttg | 1800 |
| agttattccc | acgttttgaa | ataaaaagag | tatattcaaa | aaaaaaa | | 1847 |

<210> 7436

<211> 1113

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (526)...(973)

<223> similar to gi2245026 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7436

| | | | | | | |
|-------------|------------|-------------|------------|-------------|------------|------|
| tttttttttag | ggtagatgt | tttttttttt | tacctatcag | ttttgaaaaa | gttaattaca | 60 |
| tttggcaatt | ccccattccc | ttatagttag | gggtctcaag | agctggctcc | tacacataaa | 120 |
| gggcttaaaa | cagtggctgg | tacctaggcc | accaatagtc | ttttgcccc | ccaaccggt | 180 |
| gacacagccc | ggggccccgc | cgccccctgg | cggccattac | ggattttccgc | ctccctcaca | 240 |
| gaaggcagtc | actgcaacgt | gcgtggcctc | agttgcgtca | tatccggccc | ttgcgatcag | 300 |
| ggcttgagga | acccgcgcca | tgaagtgcgt | gtttgttacc | gtagggacca | ccagctttga | 360 |
| cgacctcatt | gcgtgtgtgt | cggcgccga | cagtctgcaa | gtgagtgagg | gaggcgagca | 420 |
| ggcggcggct | tggctcgcca | cccgccatct | ccggccatac | tgccagccgc | gttagccttg | 480 |
| cctgaccgtc | gcgctcggaa | agaaaccccc | gcaactctac | cacagaaaat | cgagagcctt | 540 |
| ggttacaacc | gacttatcct | gcaaattggg | agaggaacgg | tggtacctga | acccttcagt | 600 |
| actgagtcgt | ttactctgga | tgtttacagg | tacaaggatt | ccttgaaaga | agacattcag | 660 |
| aaagcagatc | ttgttattag | tcacgcaggt | gcaggaagct | gtttggagac | tctggaaaaa | 720 |
| ggaaagccac | tcgtagtggg | tataaacgaa | aagttgatga | acaatcatca | gctggaactg | 780 |
| gcaaagcagc | tagcacaaag | agggatcatct | cttctattgt | acctgcagtt | cttccttgag | 840 |
| acactagaag | cttgccaaag | ggccagcacg | cttcctgggc | tggtacagtc | aatggactta | 900 |
| tcaacactga | aatgttatcc | tcctggccag | ccagaaaaat | tttctgcatt | tttggataaa | 960 |
| gttgttggat | tacaaaaata | aacactaaac | tctcaacact | ttaaaagcaa | cccccaaat | 1020 |
| caacctatgt | aatgtgatta | aatcaaatta | aatacataat | atatattttac | aaaataatat | 1080 |
| aattaataaa | cttcctacat | ctatagaaaa | aaa | | | 1113 |

<210> 7437

<211> 2608

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (115)...(746)
 <223> similar to gil651199 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7437
cagagggctg ccgccgctc tccaagttct tgtggccccc gcggtgcgga gtatggggcg      60
ctgatggcca tggagggcta ctggcgcttc ctggcgctgc tggggtcggc actgctcgtc      120
ggcttctctg cgggtgatctt cgccctcgtc tgggtcctcc actaccgaga ggggcttggc      180
tgggatggga gcgcactaga gtttaactgg caccagtgcc tcatggtcac cggttcgctc      240
ttcatccagg gcatcgccat catcgctctac agactgccgt ggacctggaa atgcagcaag      300
ctcctgatga aatccatcca tgcagggtta aatgcagttg ctgccattct tgcaattatc      360
tctgtgggtg ccgtgtttga gaaccacaat gttaacaata tagccaatat gtacagtctg      420
cacagctggg ttggactgat agctgtcata tgctatttgt tacagcttct ttcaggtttt      480
tcagtctttc tgcttccatg ggctccgctt tctctccgag catttctcat gcccatacat      540
gtttattctg gaattgtcat ctttgggaaca gtgattgcaa cagcacttat gggattgaca      600
gagaaactga ttttttccct gagagatcct gcatacagta cattcccgcc agaagggtgtt      660
ttcgtaaata cgcttggcct tctgatcctg gtgttcgggg ccctcatttt ttggatagtc      720
accagaccgc aatggaaacg tcctaaggag ccaaattcta ccattcttca tccaaatgga      780
ggcactgaac agggagcaag aggttccatg ccagcctact ctggcaacaa catggacaaa      840
tcagattcag agttaaaaca tgaagtagca gcaaggaaaa gaaacttagc tctggatgag      900
gctgggcaga gatctacct gtaaaatggt gtagagatag agccatataa cgtcacgttt      960
caaaactagc tctacagttt tgcttctcct attagccata tgataattgg gctatgtagt     1020
atcaatattt actttaatca caaaggatgg tttcttgaaa taatttgtat tgattgaggc     1080
ctatgaactg acctgaattg gaaaggatgt gattaatata aataatagca gatataaatt     1140
gtggttatgt tacctttatc ttgttgagga ccacaacatt agcacggtgc cttgtgcaga     1200
atagatactc aatatgtgaa tatgtgtcta ctagtagtta attggataaa ctggcagcat     1260
ccctggcctg ttgtcatgca gtcatttctt gtttaattctg ggagacaatg atttcacaac     1320
tagcgggaag cagtcctaaa agtttaaaat ccgataagga atatctggga cagggttttag     1380
atcatgactc tacacagata ccatgatgag agtatattaa agaaatttag gaaagcacct     1440
ggttcctttc tccccatgcc tgcttcttgc tccctcccca gctgggtttgg gctcaaattg     1500
tccctggaga ctagggttta tgttagggtta ttgatagatt agagcagggtg gttgaagaga     1560
tcttctctgg tcagacttgg aagaatttcc aaaactgaag ttagcccca gacttcccta     1620
gggttgatgt actttatgat ccagatgcta aacttcttag aatgaaaata tgcttcaaca     1680
cttaagtagc atacactgcc ctacaaacct cagagagcac ttttcccca gttcttgttt     1740
ttatttttga aagtactcac acagcactta ctatgtcca aacactcctc taagcacttt     1800
acacatatta gctcattcag tccccagaca gacgggatga agtaggtatt gttactgttc     1860
ccattttaca ggtgagagat ttgaagcctg gggaggctag taactcacc caaggtcaca     1920
cggtccatac atggtgggac tgagactcag atgcaggcag tctggcacct cagtctggat     1980
tctaaccatt tcactaagct atttttgtct tgtactactt tgaccacccc ctgaataaac     2040
ctcaattgct ggagtggggt gtagttatta aagggatgct ttttaccttt tgctgtctgc     2100
tgtggcagat tccccagata accaaggaaa aggggccacc catacctgga aataggccat     2160
agggccccta ctactgccaa caagccatgg cctacctgta cacttgtttg atcttaaaat     2220
tgtgtcttgg taacaaaaga tttggacagg catatctgta gctttcaagt taattaattg     2280
caatattttt ttcttcagga ttttagctgc tgaacaactt tcagtttgga gctaaaagag     2340
acctgtctca tggctctgcc ttccttgggg caatagctag ggtctttcct gatttttatg     2400
gaatttttag ggatattttg agctttgggt tctcagtagt gaattgagac ttggagggtga     2460
cttttcatgt ttggagtatc atctctgtct gggatctggg ctgacaaatt aaaacctaga     2520
gtagtgctta tgctgaaatg atacttttca ttttttgggt gatttttttg ccttcccttc     2580
aattttaaac tgaagcattt taatatgg                                     2608
  
```

<210> 7438
 <211> 2012
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1515)...(925)
 <223> similar to gi5901655 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7438
 tttttttttt ttaagaacgt cagctccttt attattatta ttattattat tattaattat 60
 ttactgttat ttacccttaa acaacagcat aactcaaata ataatgacac acacgtcccg 120
 cccatataca caataccact agcctatctg tcaggctatc tggcctttgc ttgggtcctg 180
 atggagctgt ctggagacag ctccctctgt aaaaatcccg acttaaacac aggggacaga 240
 agaaaggggg gacctaggct agatcataaa ctgacaggct cccagcgtcc ttagggagtg 300
 ctaatgtgga aactttgaga acgtgctgga cacatctggg cagagggcag aaggcactgt 360
 ttgtttttat gtggttgatg gataaattcc atatggggat ataagacctg tatatcacc 420
 cattttaggc ccaggcatgt ggaagcacag tggggttagc tactgggttt cattaacca 480
 aaccatgcgg catggtttgg gagccatggg aatcgggagc ccagagtagg aacctgggtg 540
 atgggggagg tccccagaga aaagtaaccc ttgcattcac tgcaagtaag atacaacgtg 600
 aaatgttaag tcccccttta tgtgttttgc acattctata gttgcaaac acatagaatg 660
 tgcaacattt tcatcaagat agaaaaggta aagaaagcaa aactagtatt ttggcctaac 720
 acaaccaagc atgatttgcc aattgcgcta tcctgtggag aaatctacca ctacactatc 780
 cagggaaatc gtggtcagtc ctacccccg caccctctaa cattttactt gcactaaatc 840
 tgagttcagc taaagtaatg tatcctggaa tcagagaagc cctaggggtg gggacaaaac 900
 aaggatgggc cagtactggc atctcaggta caggtgactt cctggctgtc ctggggaagc 960
 tcgttgttga aactgctctc tccaaatgtt gagtaaggag ggacctgggg agcttcgatg 1020
 atcagcagac cctctgggga aagtgaggca aatactgtca caggatccac ctctgcagga 1080
 agctggattt tctttgtgaa gttcttagaa acaatgccac cttcttgctg tttctcttca 1140
 tgtttgccag acacctccac gtatccatct ttggtcttca ccatcaactc ctctggcttg 1200
 aagctgtgca cattcacaca cactttccag ggctccccag ggaagggtgg gggggctcctg 1260
 cctcggcag gcaccccaa cctggcggtg gcagtggggc cccggggcac catgcccagc 1320
 cttagggctg ctggccaggc ggaggagaga cgaggcagag ccagtcggg ccaagaggct 1380
 gtcaagtcgt ctgggaagg gtccatgcca aagccatcat ccagcaggcg agaggagagg 1440
 ggagagtcgc gaaaggggtc tcggcgagg cggctgggt agtggcagga gaagggcatc 1500
 tgaccgtcag ccatggtggc tgctcagtc agagagaaac agaggctcag agagacagaa 1560
 ccacctgccc aaggtcacac aacaagggtg tgtggctggg ctagcttatt cttcagcttc 1620
 cgaaaatgct gcttttctgc agggagaagc agaaccaacc actgccaggg acggttggtg 1680
 cccctcgact ggggtcccag ccccaaaagg taacccccg ggcagatcca gcagaatccc 1740
 agagggtccc cgtccgcact gcctcacgac agaccggcaa gccaccgtcc tcccaggctt 1800
 cccaggctgc ccaggctggc agccagaacc gctgaggtct agagcggagc caggagctta 1860
 ataaaccag ggcacgcgcg cctagaaact tcttctggct cttctgggc tgcaagcctt 1920
 ctattttatt gctgctggag gctggaggcg ggttttgcaa gcgtctcctg tcacaggaat 1980
 attcggaggt gatgaaccag ccccgacga aa 2012

<210> 7439
 <211> 1409
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (267)...(971)
 <223> similar to gi3860903 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7439

| | | | | | | |
|------------|------------|------------|-------------|-------------|------------|------|
| cctcggttcc | gttgcgtagg | ttgtccctca | gtgggacact | gcaggggtgcg | gggacaacta | 60 |
| cgaagatggc | ggttgcgcgc | ttggcagctg | tggcggcctg | ggtaccttgt | cggagctggg | 120 |
| gctgggcagc | cgtccccctt | ggtccccacc | gtggcctcag | cgtgctgctt | gcacggatac | 180 |
| ctcagcgggc | gccacggttg | ctcccagctt | gtagacaaaa | gacgtcactc | tcattcctta | 240 |
| atcgaccaga | ccttccaaac | ctggcttata | agaagctaaa | aggcaaaagt | ccaggaatta | 300 |
| tcttcatccc | tggctatctt | tcttatatga | atggtacaaa | agcgttggcg | attgaggagt | 360 |
| tttgcaaadc | tctaggtcac | gcctgcataa | ggtttgatta | ctcaggagtt | ggaagttcag | 420 |
| atggtaaetc | agaggaaaag | acactgggga | aatggagaaa | agatgttctt | tctataattg | 480 |
| atgacttagc | tgatgggcca | cagattcttg | ttggatctag | ccttggaggg | tggcttatgc | 540 |
| ttcatgctgc | aattgcacga | ccagagaagg | tcgtggctct | tattggtgta | gctacagctg | 600 |
| cagatacctt | agtgacaaa | tttaatcagc | ttcctgttga | gctaaaaaag | gaagtagaga | 660 |
| tgaagagtg | gtggagcatg | ccatcaaaat | actctgaaga | aggagtttat | aacgttcagt | 720 |
| acagtttcat | taaagaagct | gaacatcact | gcttgttaca | tagcccaatt | cctgtgaact | 780 |
| gccccataag | attgctccat | ggcatgaagg | atgacattgt | accttggcat | acatcaatgc | 840 |
| aggttgccga | tcgagtactc | agcacagatg | tggatgtcat | cctccgaaaa | cacagtgatc | 900 |
| accgaatgag | ggaaaaagca | gacattcaac | ttcttgttta | cactattgat | gacttaattg | 960 |
| ataagctctc | aactatagtt | aactagtatc | acatgttttag | ttggtatgta | aactaatgta | 1020 |
| tccacgaaga | ttggaagagg | gataagaaat | gaaagatcct | gatacttta | ggtttttccc | 1080 |
| tttctctat | tttgtaaata | taagatgagt | attatttaat | gatgtatttg | cataagtaat | 1140 |
| gcaaattgtg | aagaaggacc | agctgctgtt | tagaaaattt | tctccttcct | tctgtccttg | 1200 |
| atTTTTTTTc | cattaaagta | tttctttttt | ttaattcaag | aaaagtttac | ctttcttatg | 1260 |
| cttatgttag | ctatgccagc | tcttaattgc | atccttttct | aattaggatt | attaataaag | 1320 |
| cgcgatatt | ttgtttttta | ttatagacag | aaattggtgc | cattacttgt | gattaaaaaa | 1380 |
| tgcaattcac | aaaatatagg | gactgtatt | | | | 1409 |

<210> 7440
 <211> 2208
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2209)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (512)...(794)

<223> similar to gi3885931 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7440

| | | | | | | |
|------------|------------|-------------|------------|-------------|------------|------|
| aatttctcaa | ggttataggt | tgggggttctt | agaacttttt | gtggtgtgtg | ttggcctaga | 60 |
| gcgactcaga | agcgttagt | acttcaccta | aaaaagctaa | cctctctgct | gagcgcgacc | 120 |
| ggtatgcggc | gcaggatgag | cctcagggct | tctgttaaga | gtctgtctga | gaaagccggt | 180 |
| ctgcgtgtt | cctcggtggc | gaccttaatt | atgagatgag | ctaattgcttt | actgacttaa | 240 |
| ccatggcgca | gcgggcagtg | tggctcataa | gccacgaacc | gggaactcca | ctttgtggca | 300 |
| ccgtgagatt | ctccagacgg | tatccaactg | ttgaaaaacg | agccagagtc | ttcaatggag | 360 |
| caagttatgt | gcctgttcct | gaagatggtc | cctttcttaa | agcactggtc | ctttgaactt | 420 |
| aggattattt | ggatgattga | taaagacttc | gttgagagtc | gtgatagctg | ttcacgcac | 480 |
| aataaaacat | ccatttatgg | actcctgata | ggagtgtgat | ttggaaggaa | tcatgccaaa | 540 |
| tgttaccatc | agcttgagtc | tccccaccaa | tggatctcca | cttcaggata | ttctagtcca | 600 |
| cccttggtga | acttctcttg | actctgcaat | tctgacttct | agtagtattg | atgcaatgga | 660 |
| tgactctgca | tttagtgggc | cttacaaatt | tccattcact | ccaccttag | agtcattcaa | 720 |
| cttatgcttc | tacacttccc | aggtccctgt | cccaccaatt | ttgggttttt | atcaaataaa | 780 |
| ggaggaagaa | gtacaactaa | ggaataacca | ttaattttaa | acttcatgga | aagtgtggaa | 840 |
| aaataatttt | ggaattctgt | ggaagcccat | ataccttttt | tacaattaga | ggtcccatta | 900 |
| cacatttgga | atacaaaact | agttttggcc | agcttgaagt | atttcgagag | aaaagcttat | 960 |
| tgatctggat | tattggccag | aagttcccaa | aatcaatgga | aattagtctt | tctggaactg | 1020 |
| taacttttgg | agccaagagc | catgagaagc | agccatttga | cccaatttgt | actggagaaa | 1080 |
| cagcatatct | aaagcttcat | tttaggatct | tagattacac | acttactgga | tgttatgcag | 1140 |
| atcagcattc | agttcaagtt | tttgcatcag | gaaaaccaa | aataagtgca | caccggaaac | 1200 |
| taatttcttc | tgattattac | atctggaatt | ctaaagcccc | tgctccagta | acatatggat | 1260 |
| cattattatt | gtaatagtct | catgtttaaa | tgggattata | taatgataac | agtttaaaga | 1320 |
| aaatcataat | cttatatttt | taatgtggat | gcatataacc | tgtgagtga | aaatcactga | 1380 |
| atgatttaat | tgtaaaagta | gtcttatgtg | gtgtttgtag | tctgatagag | cttgaaagga | 1440 |
| catttttaaa | gctaattgtc | ccaattttgt | taaccttcga | ttttatgcca | gtataattca | 1500 |
| gaacatagaa | aagtaatgat | tcaactgggc | tcattttaga | ctggctcctg | gtcacccctg | 1560 |
| cacacttggt | tcctagtgtt | tctgtggcag | acattgctaa | tcaattacag | cccttttctg | 1620 |
| tactgagcct | tggataaagg | gtcaggctcc | tttttagttc | agagattcag | gcagccactc | 1680 |
| ccagtggggt | gtagataatg | tgcaagataa | aaactatttt | ctcttccaaa | tctaagtact | 1740 |
| aagctcctag | tataaggtgt | tgttacagaa | taccagagac | catgttagag | acaactacat | 1800 |
| ctcttcaaaa | aacagccaac | agagacaaag | gaaaagtgtt | taaatagtaa | gctgttcttc | 1860 |
| ttaatcagaa | ctatcctatt | gactaataaa | taatctgcat | aattctactt | aagggtgtgt | 1920 |
| atctctgttc | tagagttagt | ttttaagtaa | gcttggtaat | ctgccacttt | gacattttgc | 1980 |
| ttaggatgtc | agtagccata | ttaagatgtg | tagaatacct | tcagaagatg | atcatagtgt | 2040 |
| tttgtaatca | tttaatgtct | gcagccaaat | ttttaaaggt | aatttagacc | taatactgct | 2100 |
| cttgctgtgt | cttattaagt | taaaattaat | gaatgaattc | tggggaaaaa | tttcaaaagg | 2160 |
| gcactctgtg | gggtaggagg | agtatccant | taaggcctta | tttttagg | | 2208 |

<210> 7441

<211> 2249

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (45)...(1376)

<223> similar to gi5809682 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7441
cggacgcgtg ggcggacgcg tgggtgcgcg cctgggacct gaacatggac ttcccggtgcc      60
tctggctagg gctgttgctg cctttggttag ctgcgctgga tttcaactac caccgccagg      120
aagggatgga agcgtttttg aagactgttg cccaaaacta cagttctgtc actcacttac      180
acagtattgg gaaatctgtg aaaggtagaa acctgtgggt tcttggtgtg gggcggtttc      240
caaaggaaca cagaattggg attccagagt tcaaatacgt ggcaaataat catggagatg      300
agactgttgg gcgggagctg ctgctccatc tgattgacta tctcgttaacc agtcatggca      360
aagaccctga aatcacaaat ctgatcaata gtaccgggat acacatcatg ccttccatga      420
accagatggg atttgaagcc gtcaaaaagc ctgactgtta ttacagcatc ggaagggaaa      480
attataacca gtatgacttg aatcgaaatt tccccgatgc ttttgaatat aataatgtct      540
caaggcagcc tgaaactgtg gcagtcatga agtggtgaa aacagagacg tttgtcctct      600
ctgcaaacct ccatggtggt gccctcgtgg ccagttaccc atttgataat ggtgttcaag      660
caactggggc attatactcc cgaagcttaa cgctgatga tgatgttttt caatatcttg      720
cacataccta tgcttcaaga aatcccaaca tgaagaaagg agacgagtgt aaaaacaaaa      780
tgaactttcc taatggtgtt acaaatggat actcttggtg tccactccaa ggtggaatgc      840
aagattacaa ctacatctgg gcccagtggt ttgaaattac gttggagctg tcatgctgta      900
aatatcctcg tgaggagaag cttccatcct tttggaataa taacaaagcc tcattaattg      960
aatatataaa gcaggtgcac ctagggtgtaa agggctcaagt ttttgatcag aatggaaatc     1020
cattacccaa tgtaattgtg gaagtccaag acagaaaaca tatctgcccc tatagaacca     1080
acaaaattgg agagtattat ctcttctctt tgccctgggtc ttatataata aatgttacag     1140
tccctggaca tgatccacac atcacaaagg tgattattcc ggagaaatcc cagaacttca     1200
gtgctcttaa aaaggatatt ctacttccat tccaagggca attggattct atccagtat     1260
caaatecttc atgcccattg attcctctat acagaaattt gccagaccac tcagctgcaa     1320
caaagcctag tttgttctta tttttagtga gtcttttgca catattcttc aaataaagta     1380
aaatgtgaaa ctcaaccac atcaccacct ggaatcaggg attgctcact ccaggttact     1440
gcaaccctaa ctcaactctg tgggaccttg actggagaaa ctccacgatc ttctgaaga     1500
agagaaatgg atgtttccaa attccacaat aagcaatatg tggtgataat gaaaagaatg     1560
attcagtcct gacggtgaat ggaagacact tacctaacaa gtactgctca tttacactca     1620
aattaatctt gaagtagtct taaaatgtgt aagaagttaa aacttgagaa gcaaaaaaat     1680
gcctgcaaaa agaagatcat tttgtataca gagaaccgga tgaatataag caatgaagat     1740
gaacatttat tgatcttcta catacaagac ttcaccataa ggccaggagc agtggtcac     1800
accttgtaat cccagcactt tgggaggcca aggtggggcg atcaccttga ggtcaggagt     1860
tcaaaaccag cctgaccaac atggtgaaac cctgtctcta ctaaataatta gcggggtgtg     1920
gtggcgggca cctgtaatcg cagcctttca ggaggtgag acaggagaat cgcttgaacc     1980
ctagaggcgg agtttgcatg gagccgatg agtgccattg tactccagct tgggcaacag     2040
agtaagactc tgtctcaaaa aaaaaaaacc aaaaccaacc acccaaaaaa acccctccc     2100
ctggggggct cctggggaaa aaatttaagg ggccatattt attaatgtcc caaaaaaggg     2160
ggaaatggtc cttaggccgg gaattggttt tgcaaccgtt ctaggaaatg ggggaaaaaa     2220
ttttgacccc cttcttatgg gccccaggaa                                     2249

```

<210> 7442

<211> 2222

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (253)...(693)

<223> similar to gi5788103 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7442

| | | | | | | |
|------------|-------------|-------------|------------|-------------|-------------|------|
| gcggccgccc | gagaggaggg | ggtgccgaga | tcggggggcg | cgagcgcggc | agcagagagc | 60 |
| ggtagcggcc | cgtcgtggcg | caccagaacc | gaaaccaggg | gcagccgcac | ggccacttga | 120 |
| gccgcccctt | cctgctggag | ccagcgaggg | gtgcctgcag | ccgggacccc | ttcctctccg | 180 |
| cgtctcctcg | tctccgcgc | agccgctccc | tcggcggggc | cgtggggagc | gtggcgtcag | 240 |
| ggggcccgcg | cggcgagtc | ccccttcagc | atcccgaaca | gcagcagcgt | cccgtacggc | 300 |
| tcgcaggact | cgggtgcacag | cagccctgag | gacggcgggc | gcggccggga | ccggccgggtg | 360 |
| ggcgggagcc | ccggcgggcc | gcgcctgggtg | atcggtcct | taccagctca | cctctcgccg | 420 |
| cacatgtttg | gaggatttaa | gtgcctgtga | tgctcaaaat | ttgtatcttc | agatgaaatg | 480 |
| gatttgcctc | ttgtaatgtg | tttaacaaag | ccacgaataa | cctataatga | ggatgtactg | 540 |
| agtaaagatg | ctggggaatg | tgcaatatgc | cttgaagaat | tgacgagggg | agatactata | 600 |
| gcacgactgc | cttgtctatg | catatatcat | aaaggctgca | tagatgaatg | gtttgaagta | 660 |
| aatagatctt | gccctgagca | cccttcagat | taagcgtcag | cttctgtttt | tatagggtttt | 720 |
| cttgtcttga | caagatgctt | gaaaaaccaa | gaggatatga | aaatctgtct | ctggagaaac | 780 |
| aaagacgcag | gcatactcag | ccagaaatct | gagttttgtg | agacttggtg | atacagagat | 840 |
| ggacaatcgt | actggggtaa | aaaaaccctg | ctgaagagag | gacagtgacc | acagaactca | 900 |
| gtgtaccaa | catgcataca | aaggacacac | agggattttg | aaaatgctgc | acatccctta | 960 |
| atagtcatct | acataggtaa | tactgataaa | cattttgtat | tcagacgcca | aagttaactg | 1020 |
| atttaaaagt | tgatttactt | tttattaagt | tctccagagc | tgcaacaata | gttatgtttt | 1080 |
| gatttgtttt | gttttttaat | ttgggggtctc | tttgttttcc | ccaacataat | gttcataatg | 1140 |
| tttctgcatt | catctgttct | taaattgaaa | aacatataat | ttacttctta | taaattgaag | 1200 |
| tcttaaatgt | gaaaccaaga | aatgtaatca | agcagtaaaa | acatctgaat | gtagaccatg | 1260 |
| atctcaagtt | cttccatttt | ctccccacg | agtggaaaat | agacttctac | ataggaaagc | 1320 |
| taaaatatgt | taatattttt | aaattaaagg | tttaatatca | gaatgcagtc | caaagagcaa | 1380 |
| atcatattac | ataattacat | tttaattaaa | tatagaatat | tctactgaat | tgcaatttat | 1440 |
| taaatattct | tatcctctta | aataaaaactg | ctcaacagtt | aatcagcagt | gaatcatctt | 1500 |
| gcagctatgc | aatttaaaaa | aaatacagat | taccaatttc | aagtgtctgcc | agctaaaata | 1560 |
| actgttttaa | cgggtatctt | ttgtttgttc | ttttcactta | attattttat | tgtgctttgc | 1620 |
| atctccaggc | agttctctca | catttggtga | aaatgtttag | caggctgtaa | acttaagaaa | 1680 |
| agggtaaaat | aaaattttct | ggagaggaac | ttggaatttg | aggagatttt | tatatacctt | 1740 |
| taaaaactgt | aatttaattg | ggatgccagg | tttatagcaa | tttgcaactt | taattttccc | 1800 |
| agataatctg | gaggtttagca | tttgataaat | gattttttta | agtagatatg | aagattttgt | 1860 |
| taattttata | tttattcatg | tgttattact | gtaattgaaa | atgttataga | cactttttaa | 1920 |
| ttcagtttgt | gtagaaagaa | atgtgttaaa | caaaattatg | ttaataaata | ttccacata | 1980 |
| atacatctga | atggttaaaa | atactggaag | agttgtcagg | gctacaatag | tgaatgtcct | 2040 |
| tttttttaat | atcaaaaata | tcgataagta | ggttttgtgt | tttcaacgta | gggaaaatgt | 2100 |
| tatcagtgaa | taggtggcgt | actttacttg | gtataattta | aagggtgcaca | gtaagtactg | 2160 |
| attcccttat | tttaatcttt | ctttactcat | aatgtattta | agaatttgct | gtttttattta | 2220 |
| ac | | | | | | 2222 |

<210> 7443

<211> 1366

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (989)...(190)
 <223> similar to gi3217034 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7443

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| aatgagaccc | tgtagacatt | agtcagtgcg | gtggaattct | gccatctcat | cttcccccta | 60 |
| aaaacccttt | tatgtacacc | tgcgcagaga | agagggctgc | ctggcctccc | tgggccgctg | 120 |
| gtacagatca | cacacacaca | cagattaaac | gcagcccgtt | taatgatggg | gcccagactg | 180 |
| cagtggctca | agacaggaca | ctgcggaaag | ccgccatgtg | ccgccgcaca | ctgtctgaga | 240 |
| tctgctcagc | cgatctgctc | cggccgtagt | aatccgtgaa | gaggccgtca | gggttgagca | 300 |
| ggtagatggc | aatggagtgg | tccacgatgt | agtccctggc | ctcatccttg | gggccggcat | 360 |
| tgtagtacac | gcggttaactg | tgactagcct | gggcaacctg | tttgggtggag | ccggtcagac | 420 |
| ccaacagtct | tgggtggaag | tcctggacgt | agcggggccat | ggcttcaacg | tcgtcccgt | 480 |
| cgggggtccac | agtgatgaag | acaggctgca | ctggaggcaa | accaggctct | gcttccagct | 540 |
| gccgcaccac | ctgcaccagc | ttctccagct | cgtctgggca | gatgtcaggg | cagtgagtga | 600 |
| agccaaagta | catcagcacc | caactggcccc | ggaagtcagc | cttgccagcga | gccccggcctc | 660 |
| tgtgatccag | caggtggaag | tcgccctggc | ccacagctgc | ctggcgcagg | gcttctgttc | 720 |
| gcttttgctg | ctgcagcctc | tccttctcag | ccctcagggc | cagccaggcc | ccaccgagtc | 780 |
| cagccccgaa | caggcctgtg | atcagcagcc | gggttcgaag | cccagggccc | tggggctggc | 840 |
| cctgcccacc | tgtctctgca | gggccctgcc | ttgacaaaag | ccaggacctc | agatgcaggg | 900 |
| cctggcctcc | cagggtccca | gggaggaccg | gaggcttgag | ctgagagagc | ctgtgccaaag | 960 |
| ctgtggggct | ccgagtcagc | agcagcatgg | atctgatgct | cctggaaaca | agcacaggcg | 1020 |
| tcaggagcca | gaagggaagg | cccaggacag | tgccctgggct | gccccctgcga | cttgagacca | 1080 |
| gccaccatc | tgaaggacc | agcccacgtt | caggcttaac | aggcatttgc | agctgctcac | 1140 |
| ctgagctcag | aactccacct | ccaccaaaaca | tccacacctg | ggcaaccaca | cctgtcactc | 1200 |
| ctgtcctcta | cctgggatca | ccagcctgtc | accgcaccct | gccctgcacc | tgcacctcag | 1260 |
| caaggtgaac | ctcttgctga | cggaaagcat | tccaagtgca | tgcttgcct | gaactaacca | 1320 |
| cgttatctat | ttgcaataaa | cccatttctt | aaaaggaaaa | aaaaaa | | 1366 |

<210> 7444
 <211> 1570
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (700)...(1010)
 <223> similar to gi4756912 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7444

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| cgacccacgc | gtccgggggc | cgcggcggcg | cgggtgctcc | gggccgaggc | cgcgtctggc | 60 |
| tcttgctgat | tgaattcctt | tggtgcagtt | tagcatgttc | ctctgtgttc | tgcattctct | 120 |
| gtagtgaat | gttcaagctc | agaaatgcct | tatgtggatc | gtcagaatcg | catttggtgt | 180 |
| tttctagaca | ttgaagaaaa | tgaaaacagt | gggaaatttc | ttcgaaggta | cttcatactg | 240 |
| gataccagag | aagatagttt | cgtgtggtac | atggataatc | cacagaacct | accttctgga | 300 |

| | | | | | | |
|------------|-------------|-------------|------------|-------------|------------|------|
| tcatacagtg | ttggagccat | taagcttacc | tacatttcaa | aggtttagcga | tgctactaag | 360 |
| ctaaggccaa | aggcggagtt | ctgttttgtt | atgaatgcag | gaatgaggaa | gtacttccta | 420 |
| caagccaatg | atcagcagga | cctagtgga | tgggtaaatg | tgtaaaca | agctataaaa | 480 |
| attacagtac | caaagcagtc | agactcacag | cctaattctg | ataacctaag | tcgccatggt | 540 |
| gaatgtggga | aaaagcaagt | gtcttacaga | actgatattg | ttggtggcgt | acccatcatt | 600 |
| actcccactc | agaaagaaga | agtaaataga | tgtggtgaaa | gtattgacag | aaataatctg | 660 |
| aaacggtcac | aaagccatct | tccttacttt | actcctaaac | cacctcaaga | tagtgcggtt | 720 |
| atcaaagctg | gatatttgtg | aaaacaagga | gcagtgatga | aaaactggaa | gagaagatat | 780 |
| tttcaattgg | atgaaaacac | aataggctac | ttcaaatctg | aactggaaaa | ggaacctctt | 840 |
| cgcgtaatac | cacttaaaga | ggttcataaa | gtccaggaat | gtaagcaaag | cgacataatg | 900 |
| atgagggaca | acctctttga | aattgtaaca | acgtctcgaa | ctttctatgt | gcaggctgat | 960 |
| agccctgaag | agatgcacag | ttggattaaa | gcagtctctg | gcgccattgt | agcacagcgg | 1020 |
| ggccccggca | gatctgcgtc | ttctgagcat | ccccccggtc | cttcagaatc | caaacacgct | 1080 |
| ttccgtccta | ccaacgcagc | cgccgccacc | tcacattcca | cagcctctcg | cagcaactct | 1140 |
| ttggtctcaa | cctttaccat | ggagaagcga | ggattttacg | agtctcttgc | caaggtcaag | 1200 |
| ccagggaact | tcaaggtcca | gactgtctct | ccaagagaac | cagcttccaa | agtgactgaa | 1260 |
| caagctctgt | taagacctca | aagtaaaaat | ggccctcagg | aaaaagattg | tgacctagta | 1320 |
| gacttggacg | atgagagcct | tccggtcagt | gacgtgtgag | gccagaaagc | gcacgggagc | 1380 |
| ctggcctgcc | ttttgccgtt | cctcagtttt | ccttttcatg | gaggcttcta | gccaaagatg | 1440 |
| ataaaggggg | aaatgggtttt | tagtgcggtat | attatactgc | ctcttaggtg | tactctttat | 1500 |
| aagctggtaa | accaagaatc | tagggagtg | ccaaactaaa | tataatttct | ttaaaaaaga | 1560 |
| aagaaaaagg | | | | | | 1570 |

<210> 7445

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (129)...(341)

<223> similar to gil209724 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7445

| | | | | | | |
|-------------|-------------|------------|-------------|------------|-------------|-----|
| attctttccc | caagtctcta | tggtagcgtc | agcgtcggag | gcggtagtga | cgggtggcgtt | 60 |
| tccttgagga | agagtgaggg | ttccaacttt | tctgcttatt | tgggaggtgt | tgggcgcgga | 120 |
| cagtcgagat | gtcagagaaa | aagcagccgg | tagacttagg | tctgttagag | gaagacgacg | 180 |
| agtttggaaga | gttccctgcc | gaagactggg | ctggccttaga | tgaagatgaa | gatgcacatg | 240 |
| tctgggagga | taattgggat | gatgacaatg | tagaggatga | cttctcta | cagttacgag | 300 |
| ctgaactaga | gaaacatggg | tataagatgg | agacttcata | gcatccagaa | gaagtgttga | 360 |
| agtaacctaa | acttgacctg | cttaatacat | tctagggcag | agaaccagag | atgggacact | 420 |
| aaaaaaatgt | gtttattttca | ttatctgctt | ggattttattt | gtgtttttgt | aacacaaaaa | 480 |
| ataaatgttt | tgatataaaa | aaaaaa | | | | 506 |

<210> 7446

<211> 602
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(603)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (83)...(481)
 <223> similar to gi23396 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7446

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|-----|
| aaactgttga | gaaaacggaa | ctactgggga | aagggagggc | tcactgagaa | ccatcccggg | 60 |
| aaccgatca | cgctgggtca | ccatgaacca | cattgtgcaa | accttctctc | ctgtcaacag | 120 |
| cggccagcct | cccaactacg | agatgctcaa | ggaggagcag | gaagtggcta | tgtgtggggc | 180 |
| gccccacaac | cctgtcctcc | cgacgtccac | cgtgatccac | atccgcagcg | agacctccgt | 240 |
| gcctgaccat | gtcgtctggg | ccctgttcaa | cacctctctc | atgaacacct | gctgcctggg | 300 |
| cttcatagca | ttcgcctact | ccgtgaagtc | tagggacagg | aagatgggtg | gcgacgtgac | 360 |
| cggggcccag | gcctatgcct | ccaccgcaa | gtgcctgaac | atctggggcc | tgattttggg | 420 |
| catcttcag | accattctgc | tcgtcatcat | cccagtgttg | gtcgtccagg | cccagcgata | 480 |
| gatcaggaag | gcattcattga | ggccaggagc | tctgcccgtg | acctgtatcc | cacgtactct | 540 |
| atcttccatc | ntcgccctgc | cccagaggcc | aggantctgc | ccttgactgn | attcacttac | 600 |
| tc | | | | | | 602 |

<210> 7447
 <211> 4377
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4168)...(631)
 <223> similar to gi3882285 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7447

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | tttaaaatat | acagatatat | ttatattatc | aaaaagtccc | caaattgggg | 60 |
| aaaggggcat | caggtagtct | ggacccccca | ctcagcccag | actggaagga | aggctgaagt | 120 |
| ccccaaagcg | cagctctcag | ccctgtagaa | gctcagccaa | gagctcccct | ccccgtgagc | 180 |
| tgagtgtctc | ttctacagca | cccgtttttc | ttgtgtttct | gggagtttgt | tgggaggagc | 240 |
| aggggggtcc | cttccggggc | gggccccagg | gcttcaacgc | ctctgaaggt | gggggtgggc | 300 |
| ctccccaaag | tctgacttta | tggcccatct | ctccaagccc | cacaaggagc | agttgaaccc | 360 |
| ggtgggggtg | agcaggttgg | ggccaagagg | tcttgaacac | ctggggcaga | ggtgggaaga | 420 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| ggtttctctgc | ccaggggttga | cccctgctgc | ctcccagccc | ctgccgggga | acccccatgc | 480 |
| tgcaagtcag | gatggaggat | gtgggttgtg | gggtgcagtt | tcccatgcac | cccccgctgg | 540 |
| ctcacatgca | ggccttggag | cataaggggt | gtctgaacaa | aaggcttcca | gcggcggaat | 600 |
| cctagagcca | aggatgggct | cctgtgctca | gacgttgccg | agaagagaca | gaggggtccgc | 660 |
| ggtgaaggca | gccacactcc | ggcgcatttc | attttcacta | cctcgaaggg | ggatcagtga | 720 |
| cacactaccc | agccggacct | caggcactgc | ccgggacacg | cgtgagggct | ctgagggcca | 780 |
| caccaggccg | tcattgctgca | caaacagaaa | ggtagcgaac | cactcccgga | gctccatctg | 840 |
| tgtgtcacag | cagaggtacc | actgctgctt | ctcatgtttc | tctgtctcat | gcaccactgt | 900 |
| gaagccccag | caggtgggtg | gcctgagttt | cttcttccact | cccaggtaga | ctttgagact | 960 |
| cttaatatggc | cactccttct | caggccgggtg | actgggtctca | ggggccccgc | tccacggcct | 1020 |
| ctggctccgg | acctccttgt | agagccgcaa | gcagctgctg | ttgaggatga | agtagcgatc | 1080 |
| gtggaagcca | cctgagggca | ggcccaggcc | caggaggctg | cggtccctcac | ggaacttcat | 1140 |
| catgccatgc | ttggtgtcac | cgacacgggt | ggccagggtac | agcagcatgg | cctccatggc | 1200 |
| ctgggtgcttc | ttcaccacca | ggtggctgtc | cgtgcccagc | ccgtgcagga | tgggcagcac | 1260 |
| cttctccgca | aagtgcaggg | ggcgtctctg | ctcctccctc | tcgttgacct | caaagcaggt | 1320 |
| ccaatagtcc | ttctccctga | tgcccacgtt | ccggcgatcc | aggatctcca | gggtgagctc | 1380 |
| ctcagcagtc | atggatgctg | ggaccttgat | atgctgctca | gtctctgctt | tcttctcttc | 1440 |
| cagatacact | gtgcagatga | agtcaccggc | atgctgggtc | ccactggcag | tgccagccac | 1500 |
| gcgcattctt | acaatggcag | tgatctcctc | ccgctgcttc | ctgagctctt | cctcatccac | 1560 |
| actaaacacc | accacatagt | ggttaatatg | gtcttccacc | acacggccag | ccttgtagtc | 1620 |
| ctgcccattc | gtctggaaga | gcgtgggccc | aaacacaatt | gccaggttgt | gcacgttcat | 1680 |
| ctggttcgtg | tctgagaagc | actgaacaca | gtacagggtg | ctgataaggg | ccttccactgt | 1740 |
| ggcccgggtg | acagggggca | gccgcaccag | cagctctcgg | tacctggaga | ccttctcctc | 1800 |
| ctcgtcctca | atctctgagg | cctccagcca | ggttaggcgc | tgggcgcgag | tgaagagccc | 1860 |
| atcaggcagg | tcgcgcagga | agcgttgtag | cgccgaggaa | acatcatcca | cgtgctgctc | 1920 |
| gcctccttg | aggtgcacag | agcgcgcctc | ctgccgcagg | ctctccagca | gccgctgtgt | 1980 |
| cttcgatgtc | tgcccacact | tgcggtagat | gccctcggag | gtcaggccgc | actgcgtgat | 2040 |
| gtagtccaca | cagcggtaga | cgatcaccgg | gatataccgag | tccccaaagt | gctgctccga | 2100 |
| cagcgtgtcc | cccatgctgg | cggctgcttt | ctggatggcc | cccagccaac | ccatgaagtc | 2160 |
| cagccgcgcg | tcgccctgta | tgtacagtgt | cctccttcgc | tccactagca | ccagcacctg | 2220 |
| gttctcactg | tccccctgga | tggaaagctc | ctgcagtttc | cgtagttaga | gcggctcttc | 2280 |
| gcagggcccc | tccgggaaga | cagcacggag | ctccgagcca | ctgagagaga | accagccctc | 2340 |
| ctgggcccgc | tgtaggctca | ggccagcttt | gtagggtagg | cgtcccagcc | gctcaaaatc | 2400 |
| ccgggcccag | agatcctcgg | ctaggggagg | cacgaatgcc | ttagcaatac | acttgaccca | 2460 |
| ctcatgagcc | tgtccgcac | tctccagccc | aaacagggtac | agccgtttct | cctccgtgta | 2520 |
| cacctcaaag | gtgtgctcaa | agccatgggt | gtcaggaggg | ggcactgcca | ggcacacaa | 2580 |
| ctcgtgggcc | cgaatctctc | cattgggggt | cactgcccgc | tcattctcaa | agtagctcag | 2640 |
| gaccccgcca | ccaaggacac | accagcgccg | gctgaactct | tcccggggcc | ggcgggtcctg | 2700 |
| tagcagcttg | ccggcagagg | cagtcttgta | gaggaagcca | ctgtgggtca | cggctggcag | 2760 |
| gacaactgag | tagtgctttt | ccaggggctt | catcgagtcc | agccgaggca | cctctgtgggt | 2820 |
| ccggttgctt | cgaaggaatt | ccatctgcag | cgtctgcccc | gcctgctctg | caagagccag | 2880 |
| gggcgtgggg | gcctcagggg | cccccgagaa | gcagttgatc | ccagccccac | agcccaggag | 2940 |
| cgctgggtc | tcagccaggt | ctgtgggtgt | gactgcagca | cacagggcct | tgtccagctc | 3000 |
| ctcctgggtg | ccaaagagcg | ggtggtagcg | gcggtacttg | ccctcacggg | acttggcctc | 3060 |
| caggtggcac | cgccgggtgc | tggggtgctg | gctgggctgc | agggcctcac | tggggggcac | 3120 |
| gttggctgcc | cagaagcggg | tcccagcgcc | attccccagc | tgtaagaaga | gctcgataag | 3180 |
| tgtttctgtc | cacaccttcc | tgtccatctt | caggctccgc | accttggaga | cgccagcgcc | 3240 |
| caggccacgt | tgctccctg | cacagcgctt | gcagataaca | acacagaggt | tgatggaggc | 3300 |
| ccagtccagg | tgaggagccc | cgagtcagc | acagaacctg | ttgggggctg | cagcccagat | 3360 |
| gcgctcggcc | acctccgagg | tagacaggcg | ctcagcgatg | gctccctgca | tggcctccaa | 3420 |
| ccactgctcc | ttctctagct | ctgagtcagc | agagaagcgt | aagatgcggg | agggcgtaggt | 3480 |
| gaggtcgaag | ctgcgcgggt | ccacttcctt | cacgttgccc | acgctcatgt | cgatgagggg | 3540 |
| gatgccaatg | cccagggtgg | actcctctag | attcttgtag | agctgcactt | tgtccccgac | 3600 |
| cacggccacg | tacagcttat | tcttgaagcc | acgaagctcc | aggctgccag | cgcggtcagg | 3660 |
| ctgctctgag | cctggaactc | ccagcagata | agcgctagag | agccggggcc | gggcacgctg | 3720 |
| ctcagccatg | gcctgctgca | gggcctgcat | ccactccttc | cgctccacat | cactctctgc | 3780 |
| ccggaaggca | aagggttcgg | tgtttgtgat | cacttcaaac | ttctgggtcc | cgatggcagc | 3840 |

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|------|
| cacgtgggag | atgcaggcca | cagagataaa | gcgcttagag | taagcgctct | tgttactgtc | 3900 |
| aaagtatcgc | aggtgatcag | tatccagtct | cacccatcgt | ttctgataga | tgtaagatcc | 3960 |
| ctgcggtggg | ttcttgtcca | gccagccagc | cttgatgact | ggtgtgacgg | gggtggagcc | 4020 |
| cccaggcggc | cgtccatgg | ggtgtggcgc | agctattgtg | ctgggcaagg | acaagctcag | 4080 |
| gctgctggt | tgccatccgc | cattggggac | gccctcatag | gcgtggatcat | cctcttcctc | 4140 |
| atcccccttg | tcgtccccag | acagttcctc | tccctcgctc | agcagactgg | ccacgcgcac | 4200 |
| ggcccgtggg | actcggctcg | gtgggggctc | ctcctgcccc | cgagacccac | tcagcgtcat | 4260 |
| ccttccttc | aagccacaga | tcacacccac | cgggggctgc | cacgccccct | ctgtccacac | 4320 |
| agccccgacc | cacacagccc | agcactttaa | gttatgtttc | ctcacactcc | cctcccc | 4377 |

<210> 7448

<211> 1053

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (992)...(224)

<223> similar to gi37547 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7448

| | | | | | | |
|------------|------------|------------|-------------|-------------|------------|------|
| tttttttttt | ttgcatagt | agtcggagtt | tatttttata | attttagtaa | aattgacatt | 60 |
| tagatttcaa | aacttatatt | acaaaattat | cagcagcagt | cttaagcatt | tcaacaatgc | 120 |
| tgatagattc | cactttgcta | acacaaacaa | ggctattata | ccatgttcga | aaagcaagac | 180 |
| ttgttccaag | agggcctatt | attatacatc | tgccctactg | ctcaggaccc | gtttgtgact | 240 |
| gtgtcttctt | ccatctcttc | ttcaccatca | tcagtgggccc | ctgatctgcg | ttctctgcca | 300 |
| gggatctgac | cagactgcag | caaccccttc | agcctctcca | cttcagccag | agttgaagca | 360 |
| tttgctatgg | cattcttgat | tgcttctaca | tccctgggag | atggcccacc | tttctttttg | 420 |
| tcagttggca | aaccagcacc | tggtattaaa | gttttgcttc | tccctggcaat | atcctttgca | 480 |
| agctgtgcac | cccgtttgcc | cttgaacatt | ttctctgctt | cctgacgctc | ttttagtttc | 540 |
| actttctgga | aatccagtac | tctgacttgc | ggaactttat | aatcacata | caatctgtaa | 600 |
| tgcttcttat | tggttaccgg | atttcttagg | atacttaggt | aagtcagcga | tttgagagat | 660 |
| gccagagggg | ccagatcacc | cagttccacg | agactattat | tggtgagaat | gagttctgtc | 720 |
| agacagggca | gagcctgatc | aagtccctca | cctatacggc | atattctggt | gttggttact | 780 |
| aacaatgttt | tcagtcttct | caacaaagga | aaaccatcca | gtttcctgat | ctcattgtca | 840 |
| gaaaaatcaa | tagcatcaaa | ctggtctaac | gtagcaccta | gattttcaat | gacgggaatt | 900 |
| ttataccccc | ggaggtccag | ctcccggctg | cgcaccgcgt | tggtgtactg | cgcgcgctgc | 960 |
| tcgatcagct | ccgccgtcag | cttgaccatc | ctgcagcctc | ccgttccccc | gcgctgtgga | 1020 |
| aagcccgtgg | cctcccggca | gcgagacacg | aaa | | | 1053 |

<210> 7449

<211> 467

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (166)...(321)
 <223> similar to gi403018 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7449
 cgaccacgc gtccgggcag cggcggcggc cggggagggt cacaataaag gtgctaagaa 60
 agagaatgta agacaggaaa ataattaaat attcttaccg agtgtcttca ataggccgtg 120
 tttaagaggc gtcttactact ccctgttgcc agtggctgga acacaatgga tcacacaggg 180
 gcgatagaca ccgaggatga agtgggacct ttagcccatc ttgctccaag tcctcagagt 240
 gaagctgtgg ctcatgaatt ccaggaactc tccttgcagt ccagtcaaaa cttaccccct 300
 ctgaacgaaa ggaaaaatgt gctccagctg aggctgcaac aaaggaggac gagagaacaa 360
 ctagtggacc agggcatcat gccacgcaag atttatacca tctctgccat ccctaacgtg 420
 acagaacatg acgggcgtgt cccagaagag cctgcactct gctctgt 467

<210> 7450
 <211> 1086
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (617)...(284)
 <223> similar to gi4337104 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7450
 ttttttttac agtttaccac acaaatttat ttgggagaaa catccaggga ctaggggaca 60
 agagaggaaa cctggtgggc agtagggctg ggggtacaga gtagcagtaa gtgtgctgaa 120
 gggcgtcaac caagaggaag agccaaggct ggggtccagt ggctggaggg aggcaaggag 180
 ggctggtatg agggactaga agtcctggcc aagcccagat agaagtcagg aaggtggctg 240
 gaaactggtg gaattttaca ccaaagtttg ctgcagtcac actaaggagt atagagccct 300
 ctgttttgag ggtcattgca gaaatccagg aagcagtatt gagagaatat ccagaagcca 360
 gacaccggag aagttcgggt atttgaacaa tctctcatct gtccttact tcggcagtca 420
 ctcaccatga cgtcagaacc gctgctgttc tttttgtgga gagtgatgca gctgctgcc 480
 gctggggtga ggcagatgtc agatcccaga aggcacccta actccttggc ctccaagagg 540
 catcggtagc agcgcaggta tttggggaat ggaagtgggt gaggggggttc ccaattgaca 600
 ggaacaaact tacctcatcc tttttcctgc ccgcctgtg ctgagctgcg gctcagtggg 660
 cctgaactcc ggagccaca gaatctggcg ctgggcgtcc gctctccgcg cctgaccgca 720
 cctcagaact ccggtaggac ggggggggtg ccccccgcct aagctctgtt ccctggggaa 780
 gaaacctgga aagtgcgaac cgcgcgtcgg gacccaagcg tcggggccca gcggacatcc 840
 ggagcccga ggggtcccc aggaaggcgg gcgcgtagcg ccactctccc tcccaggcga 900
 attctggaga ccgcgcccc aggcgtctca cccattttct ccgctgggga ccgctgggct 960
 ccccatccac gcctactcgg tccccacccc accagctcag tcttgactca gaaactcagg 1020
 gtttttactt ttaggatcgt tgggctgtgc gttagggggag gaggtggtcc tcagcgtcct 1080
 ggaacg 1086

<210> 7451
 <211> 1036
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (664)...(746)
 <223> similar to gi212817 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7451
 ttttacatgc cttgcatttt tgcagaagct ctgtcccagg gagctcaaag cttatcatag 60
 tatttaaaaa aaaaaaacag aaatacagaa agtgtaggga ctgcaataaa gactagtctg 120
 caagtctggg gcccaacttct cccaaaattt tttcaagagt tccagggttt aacattcggc 180
 ctcagaaatt ccagaatctt ggggttcaaa tggaatcttc caaactgccc atcccaccca 240
 gaaaggacac attcttcaga ccatatgttc caatgttttt ttggggaagt gaggttccca 300
 tataagggaa aatgccccat tccaaaatac gacctttgga cagggtgacg tcattggaaa 360
 tccgaaataa actgaggggt ggggaccagt ggggggaagc tctgtcactt ctggttacca 420
 ctgttttgaa gcttcattgt ggctaattcc cctgcagaac ctcaaaccac ttagagatca 480
 actccataga tctttggttt tcttcattctg tttcacatgg aacacagctt tctcctagtc 540
 tgtgctttgt ttgtcacgt gtttttttct tcctcttggt gtccatctgt ggcactccat 600
 tccgaccctt gccttctgtc cctgtactt ctgaactgtc tccctgggga cctccgccct 660
 ctagatgagt tatacgtcga gaagctcaag tacaagcta tcagcgagga actggaccac 720
 gctctcaacg acatgacctc tctctgagag gcagccaggt cgctgccctc tgtccttctc 780
 acatggtgcc tcctacgcc ctgtgggctt ctaggagctc cgggtggcctg ccttctgggt 840
 tgaacgtcag agccttcttc tgatgtgtct gtgactctac aaccgaaata aagacgggca 900
 gtctctctct tcattgcccc tcattctcat tttctccact tgctgccttt gagctgtagc 960
 tgtgtgccct taaccatagc ctgaaacaca aagtgggtgg ttagcctctc tcaactcaca 1020
 atgaaaagct tattac 1036

<210> 7452
 <211> 2179
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1325)...(1947)
 <223> similar to gi5824602 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7452
gtattggaat gaatatggag gaggactatt gtggcaaagt tggcaagaaa aacatccggg      60
tcaagcacta tcttctgaac cttggaactt tcctgataca aaggaagaat gggagcaaca      120
ttatagtcaa ctttattggt attatttggg acaatttcag tattgggaag ctcagggttg      180
gacttttgat gcctcgcaaa gctgtgatac agatacttac acatctaaaa cagaagctga      240
tgacaagaac gatgaaaaat gcatgaaagt tgacttagta tcttttctat cttcacctat      300
tatgggtgat aatgatagct ctggtacaag tgataaggat catagtgaaa tacttgatgg      360
aattagtaac ataaaactga attcagagga agtaacacag agccaattag attcctgtac      420
aagtcatgat ggtcatcaac agctaagtga agttagtagc aaaagagagt gccctgcttc      480
cggccaaagt gaaccacgta atggaggaac caatgaggaa agcaactcat cggggaatac      540
aaacacagac ccaccagctg aggattcaca gaagtcttca ggagcaaaca caagcaaaga      600
cagaccacat gccagtggta ctgatggaga tgaaagtgag gaagaccac ctgagcataa      660
gccaaagcaa ctgaagagga gccatgaact ggacattgat gaaaaccag cttcagactt      720
tgatgacagt ggttcctctc taggattcaa gtatggctca ggacaaaaat atggtggaat      780
cccaaatttc agtcacggc aggtcaggta tttagagaag aatgtgaagc ttaagtctaa      840
gtacctagac atgcgagac aaataaagat gaaaaacaaa cacatcttct ttaccaaaga      900
gtcagaaaaa ccatttttca agaaaagcaa aattctgagt aaggtagaaa aattcctcac      960
atgggttaat aaaccaatgg atgaagaagc atcacaggaa tcatcttctc atgacaatgg     1020
gcacgacgct tccacaagtt gtgattcaga ggaacaagac atgtctgtta aaaaagggtga     1080
tgacctactg gagactaata atccagaacc tgaaaagtgt cagagcgtat cttcagctgg     1140
tgaacttgaa acagaaaact atgaaagaga cagcttgcta gcaactgttc cagatgagca     1200
ggattgtggt actcaagaag tgccagactc cggccaggca gaaactgaag ctgaagtga     1260
aaagaagaag aacaagaaga agaacaaaaa ggtgaatggt ctgcctcctg aaatagctgc     1320
tgttcctgag ctggcaaaat actgggcccc gaggtacagg ctcttctccc gttttgatga     1380
tggttattaag ttggacagag agggctgggt ttcagttaca cccgagaaga ttgctgaaca     1440
cattgctggc cgtgttagtc agtccttcaa gtgtgacggt gtagtagacg cattctgtgg     1500
agttggagga aataccattc agtttgcctt aacaggaatg agagtgattg ccattgatat     1560
cgatcctggt aagattgcc ttgctcgcaa taatgcagaa gtttatggga tagcagataa     1620
aatagagttc atctgtggag atttcttgct gctggcttct tttttaaagg ctgatgttgt     1680
gttcctcagc ccaccttggg gagggccaga ctatgccact gcagagacct ttgacattag     1740
aacaatgatg tctcctgatg gctttgaaat tttcagactt tctaagaaga tactaataa     1800
tattgtttat tttcttccaa gaaatgctga tattgaccag gtggcatcct tagctgggcc     1860
tgaggggcaa gtggaaatag aacagaactt ccttaacaac aaattgaaga caatcactgc     1920
atattttggt gacctaatc gaagaccagc ctctgaaacc taactatgca gcagtgcgag     1980
gacaaaagat catggagtgg tcaaaatatt cagatgagac atttggcatg tcttccttta     2040
ttcactgata ttttctaccc atggtcttat atcaccgatg gaaatggaaa cttacaggac     2100
ttaaatatca gtgaaatatt ttgagatctt tgaataatc ctttagagga attatacaaa     2160
attaatatat atgagtcct                                     2179

```

<210> 7453

<211> 631

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (210)...(454)

<223> similar to gi35184 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7453
gtgtggtgga attccccggag aaggtgaaat tctgtgtgct ccctccggcg agagactttg      60
tcagctcccg cacagtaaca tcctgaataa agtcaaaact caaccaacag gtggaagtcc      120
aagaatccga gtggaggctc accgaggcga aggggccaac catgggaaag gagagtggat      180
gggactcagg cagggctgct gtagcagctg tggtcggagg agttgtggct gtggggactg      240
tgctcgtggc gctcagtgcc atgggcttca cctcagtagg aatcgccgca tcctccatag      300
cagccaagat gatgtctaca gcagccattg ccaacggggg cggagttgct gctggcagtc      360
tggtggttat tctgcagtca gtgggggcag ctggactctc tgtgacatct aaagttatcg      420
ggggctttgc tgggacagct cttggggcct ggctgggttc acccccttcc agctgaacac      480
cacactgagg cagggagttg gctctcttgg tggagatgac tttcctgggc ctctggatga      540
caatcttcca aaggacaagt ctctactcc caaaactatt taaggaagca tgaaaaataa      600
agatgctggt tatcttctcc taaaaaaaaa a                                631

```

```

<210> 7454
<211> 1855
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (94)...(1439)
<223> similar to gi5912057 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7454
catagagcaa gagtggacag aagcagggag tccccaggag gggacctcag gcatccaggg      60
aggggtagga gggacattac tttgtcagga catccaagac tcagtactca gcatgtttgt      120
ctcctgaggg aggatgaggt tggagatcca ggaaccaaag acctgggcca cccccagcat      180
ggcagtccca tccaggagac acagagttag gtggtcaccc tggtcagtcc actcccaggg      240
agtgacatgg cagctttacc ggcttggaga gctacttctg ggctgacact ctggcccat      300
acagcagaag gcagggatct gctgggagct gagaacagag ccttgactgg tgggcaacaa      360
gcagaggatc ccaccttggc ctcaggggct tatcagtggc ctggctctgt tgagaagctg      420
caagggtcag tatggtgtga tgctgagacg ctggtgagca gctcgaggac tgggtgggcag      480
gctcccccac ggctgacaga ccacgatgtg cagatgctcc gtctgttggc acagggggag      540
gtggtggaca aagccagggg ccccgcccat gggcaggtgc tacaggttgg cttctccact      600
gaggtgccc ttcaggacct gtcctctccc aggtcagcc aactctgttc ccaagggctc      660
tgtggcctga tcaagaggcc tggggacctg ctgagggtcc tgctcttcca cgtagatcgt      720
gtgctggggc tgcgccggag cctacctgct gtggcccgcc gcttccatag cccctcctg      780
ccctaccgat acacagacgg tggagcaagg cctgtcatct ggtgggcgcc cgatgtgcag      840
cacctgagcg acccagatga ggatcagaac tctctggcct tgggctggct gcagtatcag      900
gccctgctgg cacacagctg caactggcca ggccaggccc cgtgcccggg catccaccat      960
accgagtggg cagccttggc gctcttcgac ttctgttgc aggtccacga ccgcttggat      1020
cgctactgct gtggcttcga gcctgagccc tcagaccctt gtgtggaaga gaggtccga      1080
gagaaatgcc ggaaccagc cgagctgcgg ctggtccaca tcctgggtccg gagcagcgat      1140
ccatctcacc tggctctacat cgataacgct ggcaaccttc agcaccctga ggacaagctg      1200
aactttcggc tgctggaggg catagatggg tttcctgagt ctgccgtgaa ggttctcgca      1260
tcaggggtgc tgcaaacat gctgctgaag tcgctgcaga tggaccaggt gttctgggaa      1320
agccaaggcg gagcccaggg gctgaagcag gtcctccaga ccctggagca gcgaggacag      1380
gtgctgctgg gacacatcca aaagcacaac ctcacactct tcagggacga ggaccataa      1440
gccgcacaca gccctgagtc aatgagcatc catcctgatg gccacatttt cttgggctca      1500

```

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| ctcatcttga | ggacaaatgg | gaaaagccag | aagccagagg | ggcacaagga | tgtcacggga | 1560 |
| tatttcacct | gcctgggatg | gtggaggtag | tatggggttt | tcaatctcaa | agcgtccctt | 1620 |
| tctgccttct | cggctctggc | tatttatccc | cttgacacaa | caaatacatt | cgaaaatggt | 1680 |
| ctgtgagctg | ctcaagaaac | tgtaaaaatg | tgtgatgcac | gtgcatatgc | agagtgggag | 1740 |
| aactttgtgt | gtgtgtagag | gtgtgtaggt | gtgggtggca | tgtgtgcccc | cctgcatgca | 1800 |
| atacctgaga | ccaaccta | aaaggtacaa | tcttcataga | actgcaaaaa | aaaaa | 1855 |

<210> 7455

<211> 1083

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (162)...(897)

<223> similar to gi4929667 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7455

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| gcggccaccg | ttttaaccac | gattggcgaa | gcgccgtcat | ttcggagcga | ctcagcgcct | 60 |
| gcccgccttc | tgcgcgcgtc | gccggtgcct | gcgcctcccg | ctccacctcg | cttcttctct | 120 |
| cccggccgag | gcccggggga | ccagagcgag | aagcggggac | catgttccga | cgcaagttga | 180 |
| cggctctcga | ctaccacaac | cccgccggct | tcaactgcaa | agatgaaaca | gaatttagaa | 240 |
| acttcatcgt | ttggcttgaa | gaccagaaaa | tcaggcacta | caagattgaa | gacagaggga | 300 |
| atttaagaaa | catccacagc | agcgactggc | ccaagttctt | tgaaaagtat | ctcagagatg | 360 |
| ttaactgtcc | tttcaagatt | caagatcgac | aagaagctat | tgactggctt | cttggtttag | 420 |
| ctgttagact | tgaatatgga | gataatgctg | aaaaatacaa | ggatttagta | cctgataatt | 480 |
| caaaaactgc | tgacaatgca | actaaaaatg | cagaaccatt | gatcaatttg | gatgtaaata | 540 |
| atcctgattt | taaggctggt | gtgatggctt | tggctaacct | gcttcagatt | cagcgtcatg | 600 |
| atgattacct | ggtaatgctt | aaggcaattc | ggattttggt | tcaggagcgc | ctgacacagg | 660 |
| atgcagttgc | taaggcaaat | caaacaaaag | agggcttacc | tgttgcttta | gacaaacata | 720 |
| ttcttggttt | tgacacagga | gatgcagttc | ttaatgaagc | tgctcaaatt | ctgcgattgc | 780 |
| tgacataga | ggagctcaga | gagctacaga | caaaaatcaa | cgaagccata | gtagctgttc | 840 |
| aggcaattat | tgctgatcca | aagacagacc | acagactggg | aaaagttgga | agatgaacac | 900 |
| ttgaggactt | cagcttctca | cctactttag | tacagttggg | aaccatacac | ttctggcatg | 960 |
| tttggaatc | aaaatgtcac | attctcgggg | gaggaagccc | agaaaattgg | gtatgttcta | 1020 |
| gagatttacc | accattgctt | attgcttttt | tctttaataa | agtttaggaa | agtaaaaaaa | 1080 |
| aaa | | | | | | 1083 |

<210> 7456

<211> 1667

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1054)...(1176)

<223> similar to gi4200220 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7456

```
ggaagtgctt ggccacagtc gcagccccgg cgccccgaag cgggaaaaag gctgggtgcc      60
gccgtcccc agctgcgcaa ccctaggaac tctcggatca acctggatgc cttccttcac      120
aataatctca tggaggtaat ttaaagaate ccttttttgg agagtcagag agaaaagcaa      180
aaaaaaagag catgaggaat ttgaagactg agagatgagt tgtgtagcac caacattttc      240
tttctgcctg accttcatac ctgatgaatt aaaagggcaa taattaaggt ggaatttgcc      300
tcacatgaag ttttattatt ttagttatta aaatagtttc caacactact gagaagcaaa      360
aagcaattct cgttggttta agaacatagg atgtttggaa gagttagata agggacacat      420
tgaaaacaga gaggcaatct gaaggctacc ttgacgcac tgcaaagctc ccagattctg      480
actttcacia gacttgcttt ctgtttctgg gcctcgcta aacagactgc cagtcacccg      540
aaccgtggca ggatggagat gtttgtgtaa ggttagactca agtttgcaag actcaagaag      600
taaaccacca aactaatttt actttcactt aaaccagatt gaaaccaaga cttgaagaat      660
taaaaacttt gacattaacc attgattcac tccaatgaaa taattgtgtt atagccagaa      720
tcatggtgaa attggaacaa ggcttttgat gggattttta attgaggagc ttatattaaa      780
ttggatattt tctttaatga acagcatgtg gccaaaattc tattttcatt aaagtatatt      840
aagcatcatg acaactcata ttaaacctgc acaaatgat taatgacatt tagagacttc      900
aatgtcatg agacacctta aatattaaga atcaaaaaga acacctcaa gttgtttcta      960
ttcttagtaa ttatgcttaa aaaaaaatct ttcttgctt tgaaagccag ttgctaaaaa     1020
taaaaactgt tccatgaaaa atcacaatgc ccaatgataa atttatgtat ttgtttttta     1080
aagggggagg atggtgagaa aaatagaaaag ctctggctg acatcagagg tcacaagatg     1140
agttcctcat ttgtccaaat gacattcagc tgctaaaaga agtcagactt cttttacagg     1200
gctgttgaaa agacagtaag tcaggaggtt ttcaatacat gactgcaggg gaatcagaca     1260
caggctagtc acttaagttg ctttaattgtc cgtgtaccct tagccacga cttcaggggc     1320
tcagcagctt catccttcac ggcaccaaac cttgacgtaa gggattcaaa gacacactca     1380
taagaatcgt gaatttgtcc tcatgcaaaa tttgggggac tggcctacaa aaccgaaaca     1440
aggagatcgt atcccctaag tgaaagggac tttatattaa ttgtcagtta taacaatatg     1500
taaaatacat aaaagagata gagcactgca ggccatcaag gtcaaacatt tgaaacagaa     1560
ttaaactaaa ttataaggag gattaaatgg cttttgtctt tgtaaagaaa agaatatgca     1620
tgcattgatt gcctatgtag aaggattaat aaatcttttg gcatggt      1667
```

<210> 7457

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (102)...(415)

<223> similar to gi914899 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7457

```
cttttccac gtggtgaatg ccctggagtt gtgaggggtgt gagggtcgcg ttctgtctgt      60
```

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| ctggactttt | tctgtccac | tgagacgcag | ctgtgtgaaa | tatgatttgg | cgaggaagat | 120 |
| caacatatag | gcctagggcg | aggagaagtg | taccacctcc | tgagctgatt | gggcctatgc | 180 |
| tggagcccg | tgatgaggag | cctcagcaag | aggaaccacc | aactgaaagt | cgggatcctg | 240 |
| cacctggtca | ggagagagaa | gaagatcagg | gtgcagctga | gactcaagt | cctgacctgg | 300 |
| aagctgatct | ccaggagctg | tctcagtc | agactgggga | tgaatgcgga | gatggtcctg | 360 |
| atgtccaggg | gaagattctg | acaaagtcag | agcaatttaa | aatgccagaa | gggaggtgac | 420 |
| aggcaaccac | aggtttaaat | gaagacaagc | tgaacaaca | caaaactgtt | tttatctaag | 480 |
| atatttgact | taaaaatatc | gaaataaact | tttgcagctt | tctccgaaaa | aa | 532 |

<210> 7458

<211> 1116

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (669)...(738)

<223> similar to gill143540 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7458

| | | | | | | |
|------------|------------|------------|-------------|------------|-------------|------|
| ttttttggga | ttttgcaaca | tttaatcaaa | aaagaatctg | gcatcttaaa | agttaggttt | 60 |
| acaaacttga | cacattctca | atattagcaa | tttatctatt | taaacattgt | ctaagaaaat | 120 |
| atgatctatg | aagacattaa | tacattaata | agataacttaa | gagttcatta | taagctacaa | 180 |
| cactttgcaa | ataagtatcc | agtttaattg | taacaaacca | caatttgtga | gcaaatttaa | 240 |
| gaatataaaa | aacattaatt | agttaaatac | aattctctgg | gaatatacat | tataacctaca | 300 |
| gctgttttta | cagtgaagat | cttccttttt | ttttcctttt | aattatcaaa | atggtaaatac | 360 |
| actgtatggt | cctggatctc | catgctataa | aactgaaata | tgtatttcca | gcgtagcaga | 420 |
| tggtgaccag | gaaggcaaag | aacgatgagg | ccgcccagct | gttgaagttg | tgactgtccc | 480 |
| tctcagggga | gacggaagat | gcatctacaa | cagcggcaga | gaggtacaag | acgaaggcac | 540 |
| tgccgttaaa | gcacaggccc | actgttgtcc | agggcacctg | gggaatcctg | gtgtaggtca | 600 |
| ttgttatgta | gataatgagg | aagaagacgg | tgaggacca | gtaaaatata | gctacaaaca | 660 |
| tgacccagcc | aatgcgggg | acccggaagt | actcagttcc | agcaataagc | gtccatacca | 720 |
| gcagccccag | aacgatctcg | gccacgatga | ggaagccggg | caggggtcgg | aggaactccc | 780 |
| ggtcgtaggc | gaagctgctg | ctgctggtat | ggacgcttat | tgctggaact | gagtacttcc | 840 |
| gggtccccgc | atttggtctg | gtcatgtttg | tagctgtatt | ttactgggtc | ctcacctctc | 900 |
| tcttctcat | tatctacata | acaatgacct | acaccaggat | tccccaggtg | ccctggacaa | 960 |
| cagtgggcct | gtgctttaac | ggcagtgcc | tcgtcttgta | cctctctggc | gctgtttag | 1020 |
| atgcatcttc | cgtctccct | gagagggaca | gtcacaactt | caacagctgg | gcggcctcat | 1080 |
| cgttctttgc | cttctgggtc | accatctgct | acgctg | | | 1116 |

<210> 7459

<211> 2093

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (247)...(1875)
 <223> similar to gi4884154 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7459
 cccacgcgtc cgtccaaggt caaggtgccg cacaccttcc tcatccacag ctatacacgg 60
 cccaccgttt gccaggcttg caagaaactc ctcaagggcc tcttccggca gggcctgcaa 120
 tgcaaagact gcaagtttaa ctgtcacaaa cgctgcgcca cccgcgtccc taatgactgc 180
 ctggggggagg cccttatcaa tggagatgtg ccgatggagg agggccaccga tttcagcgag 240
 gctgacaaga gcgcctcat ggatgagtca gaggactccg gtgtcatccc tggctccac 300
 tcagagaatg cgctccacgc cagtgaggag gagggaaggcg agggaggcaa ggcccagagc 360
 tccctgggggt acatccccct aatgaggggt gtgcaatcgg tgcgacacac gacgcggaaa 420
 tccagcacca cgctgcggga ggggtgggtg gttcattaca gcaacaagga cacgctgaga 480
 aagcggcact attggcgcct ggactgcaag tgtatcacgc tcttccagaa caacacgacc 540
 aacagatact ataaggaaat tccgctgtca gaaatcctca cgggtggagtc cggccagaac 600
 ttcagccttg tgccgcggg caccaaccca cactgctttg agatcgtcac tgccaatgcc 660
 acctacttcg tgggcgagat gcctggcggg actccgggtg ggccaagtgg gcagggggct 720
 gaggccgccc ggggctggga gacagccatc cgccaggccc tgatgcccggt catccttcag 780
 gacgcaccca gcgccccagg ccacgcgccc cacagacaag cttctctgag catctctgtg 840
 tccaacagtc agatccaaga gaatgtggac attgccactg tctaccagat cttccctgac 900
 gaagtgtctg gctcagggca gtttggagtg gtctatggag gaaaacaccg gaagacaggc 960
 cgggacgtgg cagttaaggt cattgacaaa ctgcgcttcc ctaccaagca ggagagccag 1020
 ctccggaatg aagtggccat tctgcagagc gtgcggcatc ccgggatcgt gaacctggag 1080
 tgcatgttcg agacgcctga gaaagtgttt gtggtgatgg agaagctgca tggggacatg 1140
 ttggagatga tcctgtccag tgagaagggc cggctgcctg agcgccctcac caagtctctc 1200
 atcaccaga tcctggtggc tttgagacac cttcacttca agaacattgt ccactgtgac 1260
 ttgaaaccag aaaacgtgtt gctggcatca gcagacccat ttctcagggt gaagctgtgt 1320
 gactttggct ttgctcgcat catcggcgag aagtcgttcc gccgtcagt ggtgggcacg 1380
 ccggcctacc tggcaccgga ggtgctgtct aaccagggct acaaccgctc gctggacatg 1440
 tggtcagtgg gcgtgatcat gtacgtcagc ctcagcggca ccttcccttt caacgaggat 1500
 gaggacatca atgaccagat ccagaacgcc gccttcatgt acccggccag cccctggagc 1560
 cacatctcag ctggagccat tgacctcatc aacaacctgc tgcaggtgaa gatgcgcaaa 1620
 cgctacagcg tggacaaatc tctcagccac ccctgggttac aggagtacca gacgtggctg 1680
 gacctccgag agctggaggg gaagatggga gagcgatata tcacgcatga gagtgcgac 1740
 gcgcgctggg agcagtttgc agcagagcat ccgctgcctg ggtctgggct gcccacggac 1800
 agggatctcg gtggggcctg tccaccacag gaccacgaca tgcaggggct ggcgagagcg 1860
 atcagtgttc tctgaggtcc tgtgccctcg tccagctgct gccctccaca gcggttcttc 1920
 acaggatccc agcaatgaac tgttctaggg aaagtggctt cctgccccaa ctggatggga 1980
 cacgtgggga gtgggggtgg gggagctatt tccaaggccc ctccctgttt cccagcaat 2040
 taaaacggac tcactctctg ccccatggcc ttgatctcag cataaaaaaa aaa 2093

<210> 7460
 <211> 1621
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1121)...(769)

<223> similar to gi3881921 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7460

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|------|
| tatttttagt | agagacgggg | cctcgcactg | ctggccaggc | tggtcttgaa | ctcctgacct | 60 |
| caagtgatcc | gccccctcg | gtctcccaga | gtgctgggat | tacaggcgag | agacaccgag | 120 |
| cctggcccc | ttccaacttt | cttaacggga | aaggctgcta | ccatttcttg | agcacctatg | 180 |
| tgtcaggctc | catcaggcac | gtcacagtct | aacctgataa | ttacacaacc | catgtcactg | 240 |
| acaaggaagc | caggttcgga | ggggttgagg | cccgcaacct | gagggagggtg | actccgggac | 300 |
| acacaattag | tcctgctttg | ctgaaggaaa | gatatgcagc | ccaccagtcg | gaggctggag | 360 |
| aaggagcagc | agcagcttaa | accttaaccc | agagttattt | ttattttcca | gaacgtgtta | 420 |
| ggaactagta | cttaaataat | ctcaagtcct | tgaggggcca | gagatcccac | catgcaaat | 480 |
| agcaaacaga | cccaagactt | ggggagaggc | ggtgagtgc | tcagaaatgg | atgggtacat | 540 |
| ctgattccca | ccacgcgggg | ctcagcttag | ttagcaggag | accttcagac | tgagaaaaaa | 600 |
| tgcaagtctt | tttttggcct | ctaatatctg | ggaaggatgg | agggagctca | ggagacacag | 660 |
| aaaagatggc | gtatgaatcc | tgtccggcct | gaacgaggct | ggagttgtgc | ctctggatag | 720 |
| cttcaagcac | tgatcagatt | gtcagcccc | gctgcttgaa | cagatgcttt | agagcctctt | 780 |
| ccagttgccg | gtttgttccc | tgaagcccc | tcaccacctg | cgctgccac | tcgaagtatt | 840 |
| cctggactcg | atgttctgac | catccctctg | gggtgcagcg | attcagggtc | ctcagattgt | 900 |
| acagcttgtc | tgccagcttc | accagtttgg | ccccggggct | actgtggggc | gcttgctcca | 960 |
| cctgcagcct | ctttctctcc | agcttgggca | gagtctgtc | atctgttacc | tcctccacca | 1020 |
| ggcgccgcac | ttgtgcccc | aagtgtagct | ccacctcatc | caggggtggtg | tctgtgtcct | 1080 |
| ccaccgtgtc | atggagcagg | gccgcctgta | acaccacaat | gtcagtgatt | cccgcctcgt | 1140 |
| gggtcaggat | ccgtgccaca | cctgacgggg | aggggcaaag | caggaagtca | ggtcggaggt | 1200 |
| agtcccaagg | cgggtgtgtt | tgggttttgg | acagccagat | gtggccccct | gtggactctg | 1260 |
| actagctggg | tgaccttggg | caagtacctt | accctctggg | agccaaccga | caaaggggaa | 1320 |
| gatcatgcct | accgttccaa | ttgttatgag | gcttaaacgg | tatatcgcac | taagcttggg | 1380 |
| acaaaacagg | tgctcaatga | ggtgcacgcc | ccccacgttt | ccttcccagt | ccccaccacc | 1440 |
| caggtgccgc | agccggcgct | ccgcggccga | cgcgccacc | gatgggggtg | ttgatgtagg | 1500 |
| gggtcccctc | ggggtccttc | cgccgctgct | gccggtgctt | gcgagccgcg | aagtcggcag | 1560 |
| cctccagcag | ctgcgccgcc | tcagagccca | tcgcgcggat | ggggccgacg | actgcggccg | 1620 |
| c | | | | | | 1621 |

<210> 7461

<211> 2136

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2056)...(592)

<223> similar to gi4895039 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7461

| | | | | | | |
|------------|------------|------------|------------|------------|------------|----|
| tttcgtctct | ctggaggagg | ctgggctgcc | gggcctgtcc | tccaaggaag | aagcagcacc | 60 |
|------------|------------|------------|------------|------------|------------|----|

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|------|
| aacttgaagc | tggatgcagc | cttgcattgt | ttctcaggtc | ttctgcctca | gtttccctgc | 120 |
| ctgacaatcc | aggggagcaa | tgcctgtggg | gctgctcact | gccccagac | cttctgcaca | 180 |
| tgtgtgactc | ctgtgacatc | atctgtctcc | aggtttcag | acttctcagc | cccacccttg | 240 |
| cagcagcagg | tcagcctggc | ttttagaaag | agaattttat | ttggaatgaa | aatatagagc | 300 |
| ccaccctccc | gcctcctctg | gggagggagc | agagggctgg | gcagtggtcg | gggagatggt | 360 |
| ccctcagagg | tcgaggagct | cgcctgggcg | tagacatcct | ccacaggaac | agtgaggaaa | 420 |
| gctgggcgct | ggcttcggcc | tgggcctggg | acgggtgggg | gtgggaactg | acccctgcgc | 480 |
| tgctcagag | gctctgggca | gccagctagc | ccggtgcgac | ccgctggcag | aagctgagtg | 540 |
| ggaagggggc | ggcggaggag | atgaaggtgg | cgtgtggctg | tggccctacg | catccccgtt | 600 |
| ctccatgcgg | cccagctgct | cctccaggcg | gcagatgcgg | tcgccctgct | ccttgaccag | 660 |
| cgcctcagg | gcccgcagct | cctgcacac | ctcctccagc | ttcccagcct | ccccggctct | 720 |
| ggccaggctg | ccgctggggg | tggcatcagc | agcagtgggt | gtggaggcgg | gggcccctag | 780 |
| gtgggaggag | cccggggcca | tggcgggccc | gctgtcagac | aacacgttgc | gccggctgat | 840 |
| cttcagggtc | cgtgtcttgc | tgggcacgta | ggcctcccgc | agtgagatga | ggatcgggtc | 900 |
| ggcatccccg | ccgctcaccc | actcctcagc | ctccagggtc | gcctcggggc | cggctgtgtc | 960 |
| ggggtacaga | tcacctctga | agaggtccga | ctttcttggc | acagtcatga | cgatgggtc | 1020 |
| acacttgctc | tcattgcagt | tgtagaaccg | ggcgatctcg | cacttgctga | cctccaggcc | 1080 |
| ccgcttgggc | atgctgccc | taccccgctg | cggctccttg | ctggtgaacg | tgttcaggaa | 1140 |
| gtggatgtag | ggaggctcct | ctgtgatctc | aaagtaccgg | atgctggagt | cacccttgcc | 1200 |
| gcagacgtag | accacactgg | tgtcggggtc | gtagaagggc | agcagggccc | cgttgctcga | 1260 |
| gtccagttcc | tgcagggcca | tgggttcctc | gaggttttct | gggtcccaga | gcgccagctg | 1320 |
| ccgctcgctc | attcggctga | agcctgtggt | gaacaccttg | ccatctgcca | ggaagatggc | 1380 |
| ccgcatgggc | cgggccccct | catgagcctt | ctcccgtctc | gccaccaggg | tgccccgacg | 1440 |
| ggggtcgatg | atgcgcacgc | tcttgtcctt | gcatgctgag | caaaacaggc | tgccattgtg | 1500 |
| gttccagctg | acattgtaga | tgaggctcag | gtgcaggctg | tccaggcggg | acagctctc | 1560 |
| cgtgtgtccc | acattccaga | tgagtaccac | gttgtcgcag | cctgcactga | gcagcacggt | 1620 |
| tcgggcccgt | gggtgccagg | cgatgatgcc | cactcgcttg | gtgtgcccct | ccagtaccac | 1680 |
| caccggtctc | gtcagcgggg | aggtcagccc | gttctctggg | atctgccaca | ccatgaccgt | 1740 |
| gcagtcctcc | gagccgctgg | ctatgacttc | gtcgttgtga | ggacaccagt | cgatgtccag | 1800 |
| gacaggcccc | gtgtgcccac | acaccgtcgg | gtaggccttg | tcaatgcggc | ccgtcttgct | 1860 |
| tagggggagc | accagaaagg | cacccctccc | actggcctcc | acaatcaccg | ccaggaaactt | 1920 |
| ggggttgacg | gcgcagaagg | tgctgtccca | ggtaacacgg | gacacgcgaa | tgtcctcata | 1980 |
| gcactggctg | ttcttgaccg | gctgcccga | cacatgccgg | aatttgctct | gccggaccac | 2040 |
| tttgcggaag | gacatgtcgg | gggcaccggg | ggcgcagggg | gctgcggcac | cggcttcggg | 2100 |
| cggctccgga | tccccgcctc | tgggaagcag | gaagca | | | 2136 |

<210> 7462

<211> 1856

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (81)...(1463)

<223> similar to gi2865163 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7462

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| ctgatagccc | tcggaaccgc | ttcgaaatcc | tcggtagacc | cacgcgtacg | cccacgcgtc | 60 |
| cgggcccgcg | ccccgccatg | gaggacctgg | atgccctgct | ctctgacctg | gagactacca | 120 |

| | | | | | | |
|------------|-------------|-------------|------------|-------------|------------|------|
| cctcgcacat | gccaaggtea | ggggctccca | aagagcgccc | tgcgagagcct | ctcaccctc | 180 |
| ccccatccta | tggccaccag | ccacagacag | ggtctgggga | gtcttcagga | gcctcggggg | 240 |
| acaaggacca | cctgtacagc | acggtatgca | agcctcggtc | cccaaagcct | gcagccccgg | 300 |
| cggccccctc | attctcctct | tccagcgggtg | tcttgggtac | cgggctctgt | gagctagatc | 360 |
| ggttgcttca | ggaacttaat | gccactcagt | tcaacatcac | agatgaaatc | atgtctcagt | 420 |
| tcccatctag | caagggtggct | tcaggagagc | agaaggagga | ccagtctgaa | gataagaaaa | 480 |
| gaccagcct | cccttcagc | ccgtctcctg | gcctcccaaa | ggcttctgcc | acctcagcca | 540 |
| ctctggagct | ggatagactg | atggcctcac | tctctgactt | ccgcgttcaa | aacctcttc | 600 |
| cagcctctgg | gccaactcag | ccaccgggtg | tgagctccac | aaatgagggc | tccccatccc | 660 |
| caccagagcc | gactggcaag | ggcagcctag | acaccatgct | ggggctgctg | cagtccgacc | 720 |
| tcagccgccc | gggtgttccc | acccaggcca | aaggcctctg | tggctcctgc | aataaaccta | 780 |
| ttgctgggca | agtgggtgacg | gctctgggcc | gcgcctggca | ccccgagcac | ttcgtttgcg | 840 |
| gaggctgttc | caccgccttg | ggaggcagca | gcttcttcga | gaaggatgga | gcccccttct | 900 |
| gccccgagtg | ctactttgag | cgcttctcgc | caagatgtgg | cttctgcaac | cagcccatcc | 960 |
| gacacaagat | ggtgaccgcc | ttgggcactc | actggcaccc | agagcatttc | tgctgcgtca | 1020 |
| gttgcgggga | gcccttcgga | gatgagggtt | tccacgagcg | cgagggccgc | ccctactgcc | 1080 |
| gccgggactt | cctgcagctg | ttcgccccgc | gctgccaggg | ctgccagggc | cccatcctgg | 1140 |
| ataactacat | ctcggcgctc | agcgcgctct | ggcacccgga | ctgtttcgtc | tgagggaat | 1200 |
| gcttcgcgcc | cttctcggga | ggcagctttt | tcgagcacga | gggccgcccg | ttgtgcgaga | 1260 |
| accacttcca | cgcacgacgc | ggctcgctgt | gcgccacgtg | tggcctccct | gtgaccggcc | 1320 |
| gctgcgtgtc | ggccctgggt | cgccgcttcc | acccggacca | cttcacatgc | accttctgcc | 1380 |
| tgcgcccgt | caccaagggg | tccttcagga | agcgcgccgg | caagccctac | tgccagccct | 1440 |
| gcttcctgaa | gctcttcggc | tgacagcccg | ctcggtctgc | cgtctcccc | ggaggccgcg | 1500 |
| ccctcccgga | aaagccgggt | cctccagacc | ccgaggccct | tgctctcaga | gcgggaggcc | 1560 |
| ccaccactg | gagagccccg | cccctaaggt | actatgagtc | ctcaggggtc | aagttcagaa | 1620 |
| acggcccagc | cagacctaaa | cccacacgcc | cacaaagtgg | attgcacaca | gacaagaact | 1680 |
| cccgtgcggg | cctccactct | attcccaccc | ttgagggagc | ccccttactg | ggggagggtc | 1740 |
| cttgcaattc | cagcgaatcg | gaggccaggc | caggacgtcc | ttgctccctg | caccctcact | 1800 |
| gttctgtgca | ctttttctac | ctacataaac | acacgcattc | cacctcaaaa | aaaaaa | 1856 |

<210> 7463

<211> 2887

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (59)...(999)

<223> similar to gi5882722 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7463

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| tggtcgaccc | acgcgtccgg | agaagatgct | gctgtccctg | gtgctccaca | cgtactccat | 60 |
| gcgctacctg | ctgcccagcg | tcgtgtctct | gggcacggcg | cccacctacg | tgttggcctg | 120 |
| gggggtctgg | cggctgctct | ccgccttctt | gccccccgc | ttctaccaag | cgctggacga | 180 |
| ccggctctac | tgctgtacc | agagcatggt | gctcttcttc | ttcgagaatt | acaccgggggt | 240 |
| ccagatattg | ctatatggag | atttgccaaa | aaataaagaa | aatataatat | atttagcaaaa | 300 |
| tcatcaaagc | acagttgact | ggattgttgc | tgacatcttg | gccatcaggc | agaatgcgct | 360 |
| aggacatgtg | cgctacgtgc | tgaaagaagg | gttaaaatgg | ctgccattgt | atgggtgtta | 420 |
| ctttgtctcag | catggaggaa | tctatgtaaa | gcgcagtgcc | aaatttaacg | agaaagagat | 480 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| gcgaaacaag | ttgcagagct | acgtggacgc | aggaactcca | atgtatcttg | tgatttttcc | 540 |
| agaaggtaca | aggtataatc | cagagcaaac | aaaagtcctt | tcagctagtc | aggcatttgc | 600 |
| tgcccaacgt | ggccttgacg | tattaaaaca | tgtgctaaca | ccacgaataa | aggcaactca | 660 |
| cgttgctttt | gattgcatga | agaattattt | agatgcaatt | tatgatgtta | cggtggttta | 720 |
| tgaagggaag | gacgatggag | ggcagcgaag | agagtccacc | accatgacgg | aatttctctg | 780 |
| caaagaatgt | ccaaaaattc | atattcacat | tgatcgtatc | gacaaaaaag | atgtcccaga | 840 |
| agaacaagaa | catatgagaa | gatggctgca | tgaacgtttc | gaaatcaaag | ataagatgct | 900 |
| tatagaattt | tatgagtcac | cagatccaga | aagaagaaaa | agatttcctg | ggaaaagtgt | 960 |
| taattccaaa | ttaagtatca | agaagacttt | accatcaatg | ttgatcttaa | gtggtttgac | 1020 |
| tgcaggcatg | cttatgaccg | atgctggaag | gaagctgtat | gtgaacacct | ggatatatgg | 1080 |
| aaccctactt | ggctgcctgt | gggttactat | taaagcatag | acaagtagct | gtctccagac | 1140 |
| agtgggatgt | gctacattgt | ctatttttgg | cggctgcaca | tgacatcaaa | ttgtttcctg | 1200 |
| aattttattaa | ggagtgtaaa | taaagccttg | ttgattgaag | attggataat | agaattttgtg | 1260 |
| acgaaagctg | atatgcaatg | gtcttgggca | aacataacctg | gttggtacaac | tttagcatcg | 1320 |
| gggctgctgg | aagggtaaaa | gctaaatggg | agtttctcct | gctctgtccc | aatttcctat | 1380 |
| gaactaatga | caacttggag | aaggctggga | ggattgtgct | attttgcaaa | gtcagatggc | 1440 |
| tgcatttttg | agccattaat | ttgccagcgt | atttcacttt | ttctgttatt | ttcaatttat | 1500 |
| tacaacttga | cagctccaag | ctcttattac | taaagtattt | agtatcttgc | agctagttaa | 1560 |
| tatttcatct | tttgcttatt | tctacaagtc | agtgaataaa | attgtattta | ggaagtgtca | 1620 |
| ggatgttcaa | aggaaagggg | aaaaagtgtt | catggggaaa | aagctctgtt | tagcacatga | 1680 |
| ttttattgta | ttgcgttatt | agctgatttt | actcatttta | tatttgcaaa | ataaatttct | 1740 |
| aatattttatt | gaaattgctt | aatttgcaca | ccctgtacac | acagaaaatg | gtataaaata | 1800 |
| tgagaacgaa | gtttaaaatt | gtgactctga | ttcattatag | cagaacttta | aatttcccag | 1860 |
| ctttttgaag | atttaagcta | cgctattagt | acttcccttt | gtctgtgcca | taagtgttg | 1920 |
| aaaacgttaa | ggttttctgt | tttgttttgt | ttttttaata | tcaaaagagt | cgggtgtgaac | 1980 |
| cttggttga | ccccaaagtc | acaagatttt | taagggtgatg | agagcctgca | gacattctgc | 2040 |
| ctagatttac | tagcgtgtgc | cttttgcttg | cttctctttg | atttcacaga | atattcattc | 2100 |
| agaagtcgcg | tttctgtagt | gtgggtggatt | cccactgggc | tctggtcctt | cccttggatc | 2160 |
| ccgtcagtgg | tgctgctcag | cggcttgcac | gtagacttgc | taggaagaaa | tgagagacca | 2220 |
| gcctgtgctg | cccactttca | gagttgaact | ctttaagccc | ttgtgagtgg | gcttcaccag | 2280 |
| ctactgcaga | ggcattttgc | atttgtctgt | gtcaagaagt | tcaccttctc | aagccagtga | 2340 |
| aatacagact | taattcgtca | tgactgaacg | aatttgttta | tttcccatta | ggtttagtgg | 2400 |
| agctacacat | taatatgtat | cgccttagag | caagagctgt | gttccaggaa | ccagatcacg | 2460 |
| attttttagcc | atggaacaat | atatcccatg | ggagaagacc | tttcagtgtg | aactgttcta | 2520 |
| tttttggtgt | ataatttaaa | cttcgatttc | ctcatagtcc | tttaagttga | catttctgct | 2580 |
| tactgctact | ggatttttgc | tgacagaaata | tatcagtggc | ccacattaaa | cataccagtt | 2640 |
| ggatcatgat | aagcaaaatg | aaagaaataa | tgattaaggg | aaaattaagt | gactgtgtta | 2700 |
| cactgcttct | cccattgccag | agaataaaact | ctttcaagca | tcatctttga | agagtcgtgt | 2760 |
| ggtgtgaatt | ggtttgtgta | cattagaatg | tatgcacaca | tccatggaca | ctcaggatat | 2820 |
| agttggccta | ataatcgggg | catgggtaaa | acttatgaaa | atttcctcat | gctgaattgt | 2880 |
| aattttc | | | | | | 2887 |

<210> 7464

<211> 2450

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (75)...(2453)

<223> similar to gi4689221 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7464

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| cggggggttg | gaagatggcg | gctcccagcc | tcctcaactg | gaggcgagtt | tcttccttca | 120 |
| cgggggcggt | ccccgcgcc | cggcacggac | accgagcggt | ggccatccgg | gagctgatga | 180 |
| tcatctttgg | agggggaaat | gagggcatcg | cggatgagct | gcacgtctac | aacacggcta | 240 |
| cgaatcagtg | gtttctgcca | gctgttagag | gagatatccc | tccaggctgt | gctgcccatg | 300 |
| gatttgtctg | tgatggtacc | agaatattag | tatttggggg | aatggttgaa | tatggaagat | 360 |
| acagcaatga | gttatatgag | ttacaagcaa | gtcgttggtt | atggaaaaaa | gtgaaacccc | 420 |
| atccccctcc | ttctggttta | cctccttgtc | ctcggcttgg | acatagcttc | tctttatatg | 480 |
| gtaacaaatg | ctatttgttt | ggtggcctgg | caaacgaaag | cgaagattca | aacaataatg | 540 |
| ttcccagata | tttaaatgat | ttttatgagt | tggagctaca | gcatggctct | ggtgttggtg | 600 |
| gttggagcat | tccagtgaact | aaaggggttg | tgccttctcc | aagagaatcc | cacacagctg | 660 |
| ttatatattg | caaaaaagat | tctggaagtc | ctaaaatgta | tgtttttggt | ggaatgtgtg | 720 |
| gtgctcgct | ggatgacct | tggcagcttg | acttagaaac | tatgtcatgg | tcaaaaccag | 780 |
| aaactaaagg | gacagtgcc | cttccacgaa | gccttcatac | agccagtgtt | ataggaaaca | 840 |
| agatgtacat | ttttggtgga | tgggtcccac | ataaggggga | aaatactgag | acttcacctc | 900 |
| atgattgtga | atggagatgt | accagttcat | tttcttacct | aaatctggat | acaacagagt | 960 |
| ggaccacctt | agtatcagat | tctcaggaag | ataaaaaaaa | ttcaagacca | agaccaagag | 1020 |
| ctggccactg | tgctgttgca | atcggcactc | gattgtattt | ttggagtgg | agagatggct | 1080 |
| acaaaaaagc | actgaatagt | caagtttgct | gcaaggatct | ttggtatctt | gatactgaga | 1140 |
| aaccaccggc | accatctcaa | gtacagctga | tcaaagccac | taccaactcc | tttcatgtca | 1200 |
| agtgggatga | agtgtctaca | gttgagggtc | atcttttgca | gttgagtaca | gacttgccat | 1260 |
| accaagctgc | atcatcagat | tcttcagcag | caccaaatat | gcaaggagtc | aggatggacc | 1320 |
| ctcacagaca | aggcagtaat | aacatcgttc | ctaacagtat | caatgataca | ataaacagca | 1380 |
| caaaaactga | acagccagcc | acaaaagaaa | cttcaatgaa | aaacaaacca | gactttaaag | 1440 |
| cactgacgga | ttctaatagcc | attttatatc | catctttggc | atcaaatagt | tctaatacata | 1500 |
| atagtcatgt | ggtggatatg | ctaaggaaaa | atgaagggtc | tcacacttca | gcaaatagtg | 1560 |
| gtgtttctaag | tagttgcttg | gatgtaagaa | cagtaattcc | tgaaacatct | gtatccagta | 1620 |
| ctgtttccag | cacacaaact | atggtaaccc | agcagaccat | taaaactgaa | tcatccagta | 1680 |
| caaatggggc | agtgtgttaa | gatgaaactt | cactaacaac | attcagtacc | aaatctgaag | 1740 |
| ttgatgaaac | atatgcactg | cctgcaacga | agatcagccg | tgtagagaca | catgctacag | 1800 |
| caacgccgtt | ttctaagag | actccttcaa | atccagtggc | cacagtgaaa | gcggggagaa | 1860 |
| gacaatggtg | tgatgtggga | atttttaaaa | ataatacagc | tttggtgagc | cagttttatt | 1920 |
| tgctgccaaa | aggggaagcaa | agcatctcaa | aggtaggaaa | tgcatagtga | cctgactaca | 1980 |
| gcttgcttaa | gaaacaagat | cttggtccag | gcacaggata | cagattcagg | gttgctgcaa | 2040 |
| tcaatggttg | tgggataggt | cctttcagca | aaatcagtga | atttaaaact | tgtattcctg | 2100 |
| gttttctctg | agctccttct | gcagtcagaa | tttcaaagaa | tggtgaagg | atccaccttt | 2160 |
| cctgggaacc | tccaacctca | ccttctggaa | atatttttga | atattcagcc | tacttggtta | 2220 |
| tccgcacagc | acagatacaa | gataatccaa | gtcaacttgt | gttcatgagg | atttattgtg | 2280 |
| gtcttaagac | atcatgtata | gtaactgctg | ggcaacttgc | aaatgcacat | attgattata | 2340 |
| catccaggcc | tgccattgtg | ttcaggatat | cagcaaagaa | tgaaaaggga | tatggaccag | 2400 |
| ctacacaagt | tcggtggctt | caaggtaaca | ataagaaagc | acctttaaat | | 2450 |

<210> 7465

<211> 4651

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (29)...(474)

<223> similar to gi307140 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7465

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| cctttctggt | acggtccagg | gcaaggctct | tgaaagggtgt | gagttggcca | gaactctgaa | 120 |
| aagattggga | atggatggct | acaggggaat | cagcctagca | aactggatgt | gtttggccaa | 180 |
| atgggagagt | ggttacaaca | cacgagctac | aaactacaat | gctggagaca | gaagcactga | 240 |
| ttatgggata | tttcagatca | atagccgcta | ctgggtgtaat | gatggcaaaa | ccccaggagc | 300 |
| agttaatgcc | tgtcatttat | cctgcagtgc | tttgtctgaa | gataacatcg | ctgatgctgt | 360 |
| agcttgtgca | aagaggggtt | tccgtgatcc | acaaggcatt | agagcatggg | tggcatggag | 420 |
| aaatcgttgt | caaaacagag | atgtccgtca | gtatgttcaa | ggttgtggag | tgttaactcca | 480 |
| gaattttcct | tcttcagctc | attttgtctc | tctcacatta | agggagtagg | aattaagtga | 540 |
| aaggctcacac | taccattatt | tccccttcaa | acaaataata | tttttacaga | agcaggagca | 600 |
| aaatatggcc | tttcttctaa | gagatataat | gttactaat | gtggttattt | tatattaagc | 660 |
| ctacaacatt | tttcagtttg | caaatagaac | taatactggg | gaaaatttac | ctaaaacctt | 720 |
| ggttatcaaa | tacatctcca | gtacattccg | ttcttttttt | tttttttttt | tttttttgag | 780 |
| acggagtctc | gctctgtcgc | ccaggctgga | gtgcagtggc | gggatctcgg | ctcactgcaa | 840 |
| gctccgcctc | ccgggttcac | gccattctcc | tgccctagcc | tcccaagtag | ctgggactac | 900 |
| aggcgcccg | cactacgccc | ggctaatttt | ttgtattttt | agtagagacg | gggtttcacc | 960 |
| gtgttagcca | ggatggtctc | gatctcctga | cctcgtgatc | cgcccgccct | ggcctcccaa | 1020 |
| agtgtcggga | ttacaggcgt | gagccaccgc | gcccggccta | tacgtttttt | tctgttaaaa | 1080 |
| aatattttta | agtttttaaa | cttttgttaa | aaattgagac | agaagcaaac | acattactta | 1140 |
| ctaggcctac | acagagccag | gattatcagt | atcaatccct | tccgcctcca | catcatgtcc | 1200 |
| cactggaagg | tcttcggggc | agtaacggac | atggagctgt | tatctcctaa | catgccttct | 1260 |
| tctggaatac | ctcctgaaag | acctgcctga | ggctatttaa | cagttaactt | tttttttata | 1320 |
| tgtaaagtag | agtactctaa | aataacaata | taaaatgtag | tacaataaaa | taaataagcc | 1380 |
| agtaacgtag | ttgtttatta | tcaagtatgt | actgtacata | attgtatatg | ctagactttt | 1440 |
| atacagctgg | cagcacagta | ggtttattta | taccagcacc | tccacaaaca | tgtgagtaat | 1500 |
| gctttgcact | tgaccttctg | tcagctatga | catccctagg | ttgcaggatt | tttcagcttc | 1560 |
| attataatct | tatgggacca | tcttcatatg | tgagtggctc | cttgacccaa | acattgttat | 1620 |
| gtagcacatg | actgtaaat | ttggaatcac | cttgtcagta | tttacaaaat | agctttctga | 1680 |
| gatttagtgg | cgcgatctcg | gctcactgca | agctccgcct | cccaggttca | cgccattctc | 1740 |
| ctgcctcagc | ctcccagagta | gctgggacta | caggcgcccg | ctaccacgcc | cggctaattt | 1800 |
| tttgtatttt | tagtagagac | ggggtttcac | cgtgttagcc | aggatggctc | cgatctcctg | 1860 |
| acctcgtgat | ccgcccgcct | cggcctccca | aagtgtctgg | attacaggcg | tgagccaccg | 1920 |
| cgcccggcca | aaattgccta | aatttttaaa | atcctaaatt | gggtgttgaa | tttgtcaaat | 1980 |
| gctttcctgc | attgattttg | atgatcactt | gatttttctc | cattcttttg | ttaatgtgct | 2040 |
| aaattatggt | gcttaatttt | tgaatgaaaa | aataatctta | cattcctgaa | ataatttcgg | 2100 |
| tttggttgtg | atgttttatt | cattctattt | cgtgctgaat | tcagtttgct | aatattttgt | 2160 |
| ttaggaattt | tgcatctatg | ttcatgagac | agatcggcct | gtaattttac | ttttttgtaa | 2220 |
| tgtccttgtc | aggttttaggc | ctcaaagtta | tgttgacttt | ataaaatgaa | ctgtgaagta | 2280 |
| tttcctcttt | tttatgcttt | agtttgagta | agattgattt | tttttaaaac | ttatgtcgtc | 2340 |
| cttaaatatt | tattagaatt | cactagggaa | gttatcttgg | cctgttactt | tctttcttga | 2400 |
| gtaaattttg | ttttcattct | ttttttatag | ttaagtatat | tgagttagaa | tgcatacaca | 2460 |
| aacaaatgca | cacaacttaa | agtccagttc | tatgaatttt | gactaatgta | taaacctgtt | 2520 |
| taacttccac | tgtaaagcaa | atatagtgaa | ttttcgtcaa | ctaaaaagtc | cccttgtaac | 2580 |
| catttacctt | cagtacctat | ccctacccca | gccacaggca | acaaatgatt | ttcatgtgct | 2640 |
| tatttgccat | ctgtatacct | ctttggttag | ttttctgttt | atatcttttg | cccatattat | 2700 |
| tttttaattt | ttagaaacag | agtcttacta | tgttgcccag | gatagactca | aactcccgga | 2760 |
| ctcaaaggac | ccttccctct | cggcctccca | aagtgtctgg | attacaggca | cacactacta | 2820 |
| ctcttggttt | gcctattttt | aaatcaggtt | gtttgttttc | ttattattgt | gttctctaca | 2880 |
| ctgtaggata | ttctaccttt | cctagaattt | catgtaaatg | gactcagaca | tactgttgtg | 2940 |

| | | | | | | |
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| tctggcctct | tttgttcagt | gtaatgtttt | tgagcttcat | ccttgcatgt | tatgtgtatc | 3000 |
| agtgattgat | tcaattttta | ttgctgcata | gtattggatt | gtatagctat | accacaatth | 3060 |
| gtttattcat | tctcctgttg | atggaatatt | ggttgtttcc | agtatttagc | tattattatt | 3120 |
| attatthttt | ttttttgaga | cggagtctcg | ctctgtcgcc | caggccggac | tgcggaactgc | 3180 |
| agtggcgcaa | tctcggtcca | ctgcaagctc | tgcttcccgg | gttcacgcca | ttctcctgcc | 3240 |
| tcagcctccc | gagtagctgg | gactacaggc | gcccgcacc | gcgcccggct | aatttttttg | 3300 |
| tatttttagt | agagacgggg | tttcaccttg | ttagccagga | tggtctcgat | ctcctgacct | 3360 |
| catgatccac | ccgcctcggc | ctcccaaagt | gctgggatta | caggcgtgag | ccaccacgcc | 3420 |
| cggctgcaaa | taatctttct | ttttttctga | gacagagtct | cgctctgttg | cccaggctgg | 3480 |
| agtgcagtgg | cacgatctcg | gctcacggca | cgctccgcct | cccgggttca | cgccattctc | 3540 |
| ctgcctcagc | ttcccgagta | gctgggacta | cagggggccc | ccaccacgcc | cggctaactt | 3600 |
| cttgtgtttt | tagtagagac | ggggtttcac | cgtgttagcc | aggatggtct | cgatctcctg | 3660 |
| accttgtgat | ctgcccgcct | cggcctccca | aagtgtctgg | attacaggcg | tgagccaccg | 3720 |
| cgcccggcca | gggatgtcat | tttttataac | tagccataaa | ctttagcttt | gaagtaaaac | 3780 |
| tatttctagc | aagtgattct | tacctgatat | tttttgttgt | tcttgcccat | attttaattg | 3840 |
| ggttgtgtta | ttatggttct | ctatgtattc | tagatttaag | ttttgtata | tggtgtgagg | 3900 |
| caagtgtcaa | gtttaattht | ttttctacaa | acatcctgtt | gttccagtac | cttttgatga | 3960 |
| taagactgtc | ttttccccc | ttgaattatc | ttaacgccct | catgaaaagc | aattggccat | 4020 |
| atgtatgtgg | atctacttht | ggactctcaa | ttctgttcca | gtgatttata | tgtccaccct | 4080 |
| tatgtcaata | ccacattatt | ttgattattg | ctgctttata | gtaagtgaca | tcattgttgc | 4140 |
| tgaaatcacg | ttttccacct | ttattcttct | gttgatgggt | gctttggcaa | ttaggggtcc | 4200 |
| tttgcattht | cgtagacatt | ttagaatcaa | cttatctatt | gctactaaaa | atgcttgatt | 4260 |
| gggattgtgg | taaatctaga | aactaattta | ggaagaatgg | tcatattaac | agtttcaagt | 4320 |
| ttcagatcca | tgagcatatt | ttcactctcc | attaggtctt | ttaaaattta | tcctagcagt | 4380 |
| gttttatggg | ttttactgta | gaggtcttac | acattttgtt | acatttggtg | ctatgtgttt | 4440 |
| gacctttttt | gatactagtg | taaatggaaa | ttttttcttt | tatgttctag | ttgttcatta | 4500 |
| ttacactaaa | tcacttttgg | gtgactacta | aacattctat | tgaaaatttg | tgaatggcgt | 4560 |
| gaaccgggga | ggcggagctt | gcagtgaagc | gagatcccg | cactgcactc | cagcctgggc | 4620 |
| gacagagcga | gactccgtct | caaaaaaaaa | a | | | 4651 |

<210> 7466

<211> 1598

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (340)...(513)

<223> similar to gi4929491 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7466

| | | | | | | |
|-------------|------------|-------------|------------|------------|-------------|-----|
| gcacgagggga | gtgccagtag | agatgaaagc | accccaatcc | gtctcctcca | gttcttttagg | 60 |
| tttaatcaca | tctctccaat | cgcggagggga | actggagatt | taaacaaaca | tacgtgaact | 120 |
| ggtgtgaagc | tgtaaaaggg | accattatgt | ttccgattca | gaatatatat | tcttctctca | 180 |
| ctttctaaga | attaaacaca | agcttttctc | ccttattgat | tagttgctga | agtaaaggaa | 240 |
| ccctgcagcc | ttcccatgct | atctgttgac | atggaaaaca | aggaaaatgg | ctctgtcggg | 300 |
| gtaaaaaatt | ccatggaaaa | tgggagacca | cctgatcctg | cagactgggc | cgtgatggat | 360 |
| gtcgtcaatt | atttccgaac | cgtgggattt | gaggagcaag | ctagtgtttt | tcaggaacag | 420 |
| gaaattgatg | gaaaatccct | gctattgatg | acaagaaatg | atgtgttgac | aggacttcag | 480 |

| | | | | | | |
|------------|------------|-------------|------------|-------------|-------------|------|
| ttaaaattgg | ggcctgctct | gaaaatctac | gaatatcatg | taaaacctct | gcagacaaaag | 540 |
| catttaaaga | acaactcttc | atagtacagt | caaattgggg | tcttcgacct | caaaaaaata | 600 |
| cataatgaca | taatttagtt | tcatgtaatg | aaactttgta | aacagaatac | atacatgtgt | 660 |
| atatgtaaag | aatttcaatc | aaatgaaacg | ttatcctatt | ggatagacta | ggcaattcat | 720 |
| cagctcacct | gaaatcagcc | aggaggagca | aggacaagat | gcgcacaggg | tggttttcct | 780 |
| catggatttt | gtcaaataga | tgatctttga | cacgattaga | cactcctccc | cacaaaggct | 840 |
| ttgaaatcat | aaggattttc | ctcatctctt | tatagctttc | ccaaaatctt | ttaaaaaaga | 900 |
| atttaattaa | atgacagtct | tttggttaca | gacttaggat | gagtaaaaac | aagaaaattt | 960 |
| ggggaggggg | agaaagaaga | aagggtttgc | tgtctccctt | gaattcctct | gttccttaga | 1020 |
| gcttggttta | cttggaacga | attgccaaca | ccctttttta | tagagggttc | tccacttgac | 1080 |
| cttattaagg | ttttattggg | atatgctgca | gtgtttgaaa | tgaacatgca | tcatggcccc | 1140 |
| ttcaggagca | gaatcatagc | tctgaaaaga | gaagctccgt | tgtgtactga | ggatatccat | 1200 |
| ccatattcag | ctagctttca | aatggggtaa | tgatattttc | tgcatagatt | ttcttttaaa | 1260 |
| ttggttcttt | gtttctgaag | aaagaatttt | ttttaacttc | atgggtttat | ttataataat | 1320 |
| ttgtttctga | agaaatttgc | cgagagttac | aggcaaaaaa | gccttggttac | tagtacagaa | 1380 |
| tatttttata | tatatctctt | catgatgggtg | taattttttt | taattgtcct | atgctttggt | 1440 |
| cggttcctgg | gttaagtact | tgtttttaag | agcttggaag | aagtgggctt | gctacatctc | 1500 |
| tgttcaaaga | gacatttggt | caatctctgt | gtgtcaacgc | cttggtgaat | tggtgctttg | 1560 |
| tggttgcaat | aaagcattgc | ttcagtttaa | aaaaaaaa | | | 1598 |

<210> 7467

<211> 1121

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (177)...(944)

<223> similar to gi4468307 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7467

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|------|
| gaagttttatc | aggaaaggag | cttaaaagag | aaccaaattc | agcctgtggt | ggaactctca | 60 |
| gtcccagagg | ggtgtggttt | gtagctctcc | ggcctgctgt | tggaactagg | ctgtgacca | 120 |
| cagaaggacg | ccagaaagta | ctcaagacat | tcacggtgcc | ccggtcagca | ctcgccatga | 180 |
| cgaagacttc | tacatgcata | taccacttcc | ttgttctgag | ctggtatact | ttcctcaatt | 240 |
| attacatctc | acaggaagga | aaagacgagg | tgaaacccaa | aatcttgga | aatggtgcaa | 300 |
| ggtggaaata | tatgacgctg | cttaatctgc | tcttgacagc | cattttctac | ggggtcacct | 360 |
| gcctggatga | tgtgctgaaa | agaaccaaag | ggggaaaaga | cattaagtgc | ctaactgcct | 420 |
| tcagagacct | gcttttcacc | actctggctt | ttcctgtatc | cacggttgta | tttttgcat | 480 |
| tctggatcct | ctttctctac | aatcgagatc | tcattttacc | caaggtccta | gatactgtca | 540 |
| tccccgtgtg | gctgaatcat | gcaatgcaca | ctttcatatt | ccccatcaca | ttggctgaag | 600 |
| tcgtcctcag | gcctcactcc | tatccatcaa | agaagacagg | actcaccttg | ctggctgctg | 660 |
| ccagcattgc | ttacatcagc | cggatcctat | ggctctactt | tgagacgggt | acctgggtgt | 720 |
| atcctgtggt | tgccaaactc | agcctcttgg | gtctagcagc | tttcttctct | ctcagctacg | 780 |
| tcttcacgc | cagcatctac | ctacttggag | agaagctcaa | ccactggaaa | tgggtttctg | 840 |
| ttcagatctt | gcaaagatgg | aggctagaat | ctgttggaat | ctgcttccag | tggccccgatt | 900 |
| ggaagtcacc | agccaagcac | caactggtca | agaatatcag | gtgaaatatc | agggctataa | 960 |
| aaatatttct | agcccttgct | actatctgac | agcagttaaa | ggaataaaac | aagtcgggggt | 1020 |
| gaatctaact | tcctatctgc | caactaggat | actttctact | gggaaaaatg | cttctcaatc | 1080 |

aagaaaaatat ttataataaaa cataattttc caattacaaa a

1121

<210> 7468

<211> 2329

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (121)...(1139)

<223> similar to gi4929641 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7468

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| ggagccgggg | cagtgcggct | ctgggctggc | cgaaggggtg | gcgctgcgat | cccgaggggc | 60 |
| agcgacgcga | ctctgggtgcg | ggccgtcttc | ttccccccga | gctgggctg | cgcgcccgca | 120 |
| atgaactggg | agctgctgct | gtggctgctg | gtgctgtgcg | cgctgctcct | gctcttgggtg | 180 |
| cagctgctgc | gcttcttgag | ggctgacggc | gacctgacgc | tactatgggc | cgagtggcag | 240 |
| ggacgacgcc | cagaatggga | gctgactgat | atgggtgggtg | gggtgactgg | agcctcgagt | 300 |
| ggaattggtg | aggagctggc | ttaccagtgt | tctaaactag | gagtttctct | tgtgctgtca | 360 |
| gccagaagag | tgcatgagct | ggaaaggggtg | aaaagaagat | gcctagagaa | tggcaattta | 420 |
| aaagaaaaag | atatacttgt | tttgcccctt | gacctgaccg | acactgggtc | ccatgaagcg | 480 |
| gctaccaaag | ctgttctcca | ggagtttgggt | agaatcgaca | ttctgggtcaa | caatgggtgga | 540 |
| atgtcccagc | gttctctgtg | catggatacc | agcttggtatg | tctacagaaa | gctaatagag | 600 |
| cttaactact | tagggacgggt | gtccttgaca | aatgtgttc | tgctcacat | gatcgagagg | 660 |
| aagcaaggaa | agattgttac | tgtgaatagc | atcctgggta | tcatatctgt | acctctttcc | 720 |
| attggatact | gtgctagcaa | gcatgctctc | cggggttttt | ttaatggcct | tcgaacagaa | 780 |
| cttgccacat | accaggtat | aatagtttct | aacatttgcc | caggacctgt | gcaatcaa | 840 |
| attgtggaga | attccctagc | tggagaagtc | acaaagacta | taggcaataa | tggagaccag | 900 |
| tcccacaaga | tgacaaccag | tcgttggtgtg | cggctgatgt | taatcagcat | ggccaatgat | 960 |
| ttgaaagaag | tttggtatctc | agaacaacct | ttcttggttag | taacatattt | gtggcaatac | 1020 |
| atgccaaacct | gggcctgggtg | gataaccaac | aagatgggga | agaaaaggat | tgagaacttt | 1080 |
| aagagtgggtg | tggatgcaga | ctcttcttat | tttaaaatct | ttaagacaaa | acatgactga | 1140 |
| aaagagcacc | tgtacttttc | aagccactgg | agggagaaat | ggaaaacatg | aaaacagcaa | 1200 |
| tcttcttatg | cttctgaata | atcaaagact | aatttgtgat | tttacttttt | aatagatatg | 1260 |
| actttgcttc | caacatggaa | tgaaataaaa | aataaataat | aaaagattgc | catgaatctt | 1320 |
| gcaaaaaagg | tattaactca | tactatattc | ttggataaaa | taacctttta | aaatacttta | 1380 |
| gcacatatgc | ttaaaatcta | agttaacaga | tttgtcttag | tccatttgtg | ttgctataac | 1440 |
| aaaataccac | agatttggtg | atttataaac | aacagaaatc | tgtttttctc | ggctcttgag | 1500 |
| gctgggaatt | ccaagaccaa | tgaccagca | gaattagtgt | ctgggtgaagg | ctgatctctg | 1560 |
| cttccaagat | ggcacctcat | tgctgcatcc | tccacagtgg | aggaatgtat | gtcctcatcat | 1620 |
| ggtggaaggg | acagaaggga | aagaggagca | aaatgctttc | aaaagagcat | ttaatctcat | 1680 |
| tcattactca | gtcacctctt | aaaggccac | atccctttta | tactgttgcc | tttggggatt | 1740 |
| aagtttgcac | atgaattttg | gaggggacaa | aaacatccaa | accatagcaa | cataaatgta | 1800 |
| tagaatattt | cacacaaagc | agagtgcctg | ggtaatgacc | agatataaag | aagtatttga | 1860 |
| aatgacctta | cctccaagat | gcttatactc | ttagaaaagt | tgacaggtac | agatggctgt | 1920 |
| aatttgaagc | agcaggtagg | attcattgca | cctattattc | attaaacacc | tgttgatgt | 1980 |
| cttctactgt | actggagtgc | ttagtattag | ttaatatact | cattcctcat | aacagcccac | 2040 |
| taagatagat | ggtattacct | accttgatag | atgaagaaag | accaacaagg | ttttactttt | 2100 |
| ccaaggtcaa | ggtcacaaag | ctagtaaggg | gtaaagccat | gattagattc | agctcaggaa | 2160 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| gattccactg | gcaactcctt | acttctacta | ttattaat | tactttaaca | tttaacacct | 2220 |
| tacagcagaa | aacatgcaca | ggcactaata | ggaaatcagc | aggagtaaca | ggtaaagaaa | 2280 |
| aacatggtcc | ttatctacaa | gcagttcaca | attgagctgg | agccaaagg | | 2329 |

<210> 7469

<211> 1004

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (363)...(485)

<223> similar to gi1333846 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7469

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|------|
| gcacgagaag | gaagtgcctt | tgaatgaggt | actgagggcc | aaggtgttgg | aagttcctaa | 60 |
| ttctttcctc | ggttaactgt | gaaactctgc | gtattgggaa | ggcctggcct | cagtcacacg | 120 |
| gccaggagag | gtactggacg | ccgcgcacgc | actcgtctgc | cagcgaggcc | caaaggggaa | 180 |
| gcctagcggg | gctcaatgtg | gcagctgctg | gcctctgggc | cgactgtgat | caaccactct | 240 |
| atgattgtcc | tatgtgtggg | ctcatatgta | caaattacca | tattcttcag | gaacatgttg | 300 |
| acttgcattt | ggaagaaaac | agctttcagc | aaggcatgga | tagagtccag | tgttctggtg | 360 |
| atctacaatt | ggctcaccag | cttcagcaag | aagaagacag | aaagaggaga | tctgaagaat | 420 |
| caagacaaga | aatagaagaa | tttcagaagc | tgcagagaca | atatggttta | gataattctg | 480 |
| gaggatacaa | acaacaacaa | ctacgaaata | tggagataga | agtaaataag | ggaagaatgc | 540 |
| ctccatctga | atttcatagg | agaaaagctg | atatgatgga | atcattagct | cttgggtttg | 600 |
| acgatggaaa | aacaaaaact | tccggaatta | ttgaagcact | tcataggtat | tatcagaatg | 660 |
| ctgccacaga | tgtgagacgg | gtgtggcttt | cttcagtggg | ggatcacttt | cattcatctt | 720 |
| taggcgacaa | aggttggggg | tgtgggttaca | gaaatttcca | aatgctactt | tcatcattat | 780 |
| tacaaaatga | tgcttacaa | gattgcttaa | aaggatgtt | gattccttgc | attccaaaaa | 840 |
| ttcaatctat | gattgaagat | gcattggaag | aagggtttga | tcctcagggg | gcctctcaac | 900 |
| ttattatcag | gttacaggga | acaaaggcct | ggattggagc | atgtgaagta | tatatactcc | 960 |
| tgacctctct | aagggtttag | tgtcatat | gttgattttc | actg | | 1004 |

<210> 7470

<211> 1112

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (79)...(423)

<223> similar to gi471243 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7470
caatcttcgc tctccaatc tccgctcctc caccagttc aggaaccgc gaccgctcgc 60
agcgctctct tgaccactat gagcctcctg tccagccgcg cggcccggtg ccccggtcct 120
tcgagctcct tgtgcgcgct gttggtgctg ctgctgctgc tgacgcagcc agggcccatc 180
gccagcgctg gtcccgccgc tgctgtgttg agagagctgc gttgcgtttg ttacagacc 240
acgcagggag ttcatcccaa aatgatcagt aatctgcaag tgttcgccat agggccacag 300
tgctccaagg tggaagtggg agcctccctg aagaacggga aggaaatttg tcttgatcca 360
gaagcccctt ttctaaagaa agtcatccag aaaatttttg acgggggaaa caaggaaaac 420
tgattaagag aaatgagcac gcatggaaaa gtttccagct ctacagcaga gaagttttct 480
ggaggtctct gaaccaggg aagacaagaa ggaaagattt tgttggtgtt tgtttatttg 540
gtttcccccag tagttagctt tcttccctgg attcctcact ttgaagagtg tgaggaaaac 600
ctatgtttgc cgcttaagct ttcagctcag ctaatgaagt gtttagcata gtacctctgc 660
tatttgctgt tattttatct gctatgctat tgaagttttg gcaattgact atagtgtgag 720
ccaggaatca ctggctgtta atctttcaaa gtgtcttgaa ttgtaggtga ctattatatt 780
tccaagaaat attccttaag atattaactg agaaggctgt ggatttaatg tggaaatgat 840
gtttcataag aattctgttg atggaaatac actgttatct tcacttttat aagaaatagg 900
aaatatttta atgtttcttg gggaaatgtg tagagaattc cttactcttg attgtgggat 960
actatttaat tatttcactt tagaaagctg agtgtttcac accttatcta tgtagaatat 1020
atttccttat tcagaatttc taaaagttta agttctatga gggctaatat cttatcttcc 1080
tataatttta gacattgctt taacttttta gt 1112

```

<210> 7471

<211> 1551

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (561)...(900)

<223> similar to gi5881839 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7471
caaataacaa tatgattaac ttcataattta ttatttcaac gatctttttt ataaccgagt 60
ttaattttta aattaaattt ctaaaataga ttaccaatat taaaatacct taagatattt 120
atcttttagca ataataggca atattaaagt tgtattaact tttaaattaa gtaagagtat 180
ttggtggatg ccttggtgct gaaagtcgat gaaggacgag attacctgcg ataagcttcg 240
tgaggttgga aataaactat gatacggaga ttccgaatg gggtaacctc actgagcaaa 300
cctcagttgc attttgatga atccatagtc aaattagcga gacacgttgc gaattgaaac 360
atcttagtag caacaggaaa aaaaaaaaaa taatgatttc gtcagtagcg gcgagcgaag 420
gagaaaagtg cccaagatcc ttccaggata tttggttttt tgggcgcgac acaaatcgag 480
gtgagggaaag agagaggaaa atcccctgaa tccctgcagg attaatattt tcaaaaagga 540
aataaaaaat actcaatatg caaaagtctt gtgaagaaaa tgagggaaaa ccacagaaca 600
tgccaaaggc cgaggaagat cgcccttttg aggatgtacc acaggaggca gaaggaaatc 660
ctcaaccttc cgaagaaggc gtaagccagg aagcagaagg aaaccccgag ggagggccga 720
atcagcctgg ccagggattt aaagaggaca caccggttag gcatttggac cctgaagaaa 780
tgataagagg agtagatgag cttgaaaggc ttagggaaga gataagaaga gtaagaaaca 840
agtttgtgat gatgcattgg aagcaaagac attcacgcag ccgtccttat cctgtgtgct 900

```

| | | | | | | |
|-------------|------------|------------|-------------|-------------|------------|------|
| ttaggccttg | aattcatttt | tgcctaatat | taaaatctgg | ccccagcttt | ctttctgtta | 960 |
| gcattttctg | atgtatcttt | gacctccatt | ttacttttaa | tcactctgatg | aaattttggt | 1020 |
| ttaggtaatt | tccttggtac | cagcatctca | ttggattttg | gattttgacc | cattttccag | 1080 |
| gtctattttt | caattggaaa | ctttcacaca | tttgcattgg | aatatgttca | ttccatgttg | 1140 |
| taaagtaaaa | cataacaggt | tatggcaaag | cagcatattt | aatatcagct | cacatatgta | 1200 |
| ggataaaaatt | ccaaactttg | tgtgtgtgcg | tgtgtgtata | catacatcca | tataacatat | 1260 |
| atcacaaaact | taaccaagct | tatttctgtg | tgggtgtgaaa | ttttatttgt | tttcttcttt | 1320 |
| ttgttctttt | tgcttatatg | tactttttta | tgaacacgtg | tctcacacac | aaaaagaatt | 1380 |
| aaggattttt | tttacaagta | agagtcaaat | aatttgcaac | cagcttatga | gggcaatggg | 1440 |
| ggcacctaaa | ctcttgatga | aagaacttta | aaaagaaatg | taaacctcaa | attacctctg | 1500 |
| gatctcttag | ccagaggaat | aaactggcaa | ttattacaga | taaaaaaaaa | a | 1551 |

<210> 7472

<211> 1850

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (630)...(1649)

<223> similar to gi3136001 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7472

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|------|
| aaggatgagg | aaaggatatc | ccagagtgcc | agggcgcgca | aaccaaactt | cacactctag | 60 |
| gaagacagag | gccagaggaa | ccaggagggc | ttcctggagg | aggtggcatt | tactctgggc | 120 |
| ctaagagatc | acaggaaaat | ggaggccagc | attctaggcc | tggggaagag | tttgggcaaa | 180 |
| ggcttggcag | taagagaata | aaggtggggc | ttgatggggc | agaggataag | tgactcctca | 240 |
| aggtcacaa | acacctgat | ggctgggacc | ccatctctga | tggagcaagg | cttctgatac | 300 |
| ccaactgagg | cttggcgcca | aggactgaca | tcaaggaagt | ggattcctgc | aaacctggca | 360 |
| cccaggggtc | cacttctctc | atctctgtgc | agctgggagg | tgaggtaaga | ggaagtgtgg | 420 |
| gccacaggct | aggcccagag | agcctggagg | aggagcctct | gccagactgg | agagaagcag | 480 |
| gcctgagcct | ccccaaaggc | agctcctggg | gactcccagg | accacaggct | gagacgagac | 540 |
| gcaggggtgc | tggaggaagt | gagaggtgaa | ctcagcctgg | gactggctgg | gcgagactct | 600 |
| ccacctgtct | cctgggacca | tcgcccacca | tggctgtggc | ccagcagctg | cgggccgaga | 660 |
| gtgactttga | acagcttccg | gatgatgttg | ccatctcggc | caacattgct | gacatcgagg | 720 |
| agaagagagg | cttcaccagc | cactttgttt | tctctatcga | ggtgaagaca | aaaggaggat | 780 |
| ccaagtacct | catctaccgc | cgctaccgcc | agttccatgc | tttgcagagc | aagctggagg | 840 |
| agcgcttcgg | gccagacagc | aagagcagtg | ccctggcctg | tacctgccc | acactcccag | 900 |
| ccaaagtcta | cgtgggtgtg | aaacaggaga | tcgcccagat | gcggatacct | gccctcaacg | 960 |
| cctacatgaa | gagcctgtct | agcctgccgg | tctgggtgct | gatggatgag | gacgtccgga | 1020 |
| tcttctttta | ccagtgcgcc | tatgactcag | agcagggtgc | ccaggcactc | cgcgggctcc | 1080 |
| gcccgcgcac | ccggaaagtc | aagagcgtgt | ccccacaggg | caacagcggt | gaccgcatgg | 1140 |
| cagctccgag | agcagaggct | ctatttgact | tactggaaa | cagcaaactg | gagctgaatt | 1200 |
| tcaaagctgg | agatgtgatc | ttcctcctca | gtcggatcaa | caaagactgg | ctggaggggca | 1260 |
| ctgtccgggg | agccacgggc | atcttccctc | tctccttcgt | gaagatcctc | aaagacttcc | 1320 |
| ctgaggagga | cgacccacc | aactggctgc | gttgctacta | ctacgaagac | accatcagca | 1380 |
| ccatcaagga | catcgcggtg | gaggaagatc | tcagcagcac | tcccctattg | aaagacctgc | 1440 |
| tggagctcac | aaggcgggag | ttccagagag | aggacatagc | tctgaattac | cgggacgctg | 1500 |
| agggggatct | ggttcggctg | ctgtcggatg | aggacgtagc | gctcatgggtg | cggcaggctc | 1560 |

| | | | | | | |
|------------|-------------|-------------|------------|------------|------------|------|
| gtggcctccc | ctcccagaag | cgctctcttc | cctggaagct | gcacatcacg | cagaaggaca | 1620 |
| actacagggg | ctacaacacg | atgccatgag | ctgacgggtg | ccctggagca | gtgaggggac | 1680 |
| accagcaaaa | accttcagct | ctcagaggag | attgggacca | ggaaaacctg | ggaggatggg | 1740 |
| cagacttcct | gtctttgagg | ctaattggacc | cgtggggctt | gtaatctgtc | tctttctact | 1800 |
| atttacatct | gattttaaata | aaccattcca | tctgaaaggg | aaaaaaaaaa | | 1850 |

<210> 7473

<211> 1944

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (205)...(670)

<223> similar to gi3879017 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7473

| | | | | | | |
|------------|------------|------------|-------------|------------|-------------|------|
| ccagtctggt | ggaattcctg | tgaggggccc | cgtctcgag | cagccgccc | gaccgggcat | 60 |
| gggtgtgggc | gccggggccc | cctcgctgt | ctcggggagc | ccagggtaaa | ggcagcagta | 120 |
| atgctaacgc | tagcaagtaa | actgaagcgt | gacgatggtc | tcaaagggtc | ccggacggca | 180 |
| gccacagcgt | ccgactcgac | tccgaggggt | tctgtgagag | acaaattgct | tggttaaagag | 240 |
| gttgacgaac | ttgaagctaa | tttaccttgt | acatgtaaag | tgcattttcc | tgatccaaac | 300 |
| aagcttcatt | gttttcagct | aacagtaacc | ccagatgagg | gttactacca | gggtggaaaa | 360 |
| tttcagtttg | aaactgaagt | tcccgatgcg | tacaacatgg | tgcctcccaa | agtgaatgc | 420 |
| ctgaccaaga | tctggcaccc | caacatcaca | gagacagggg | aaatatgtct | gagtttattg | 480 |
| agagaacatt | caattgatgg | cactggctgg | gctcccacaa | gaacattaaa | ggatgtcggt | 540 |
| tggggattaa | actctttgtt | tactgatctt | ttgaattttg | atgatccact | gaatattgaa | 600 |
| gctgcagaac | atcatttgcg | ggacaaggag | gacttcggga | ataaagtggg | tgactacatc | 660 |
| aaacgttatg | ccagatgata | aaaggggacg | attgcaggcc | catggactgt | gttacagttt | 720 |
| gtctctaaca | tgaacagca | agaggtagcc | ccctctccc | tcctcatgct | ccctctcagt | 780 |
| ccctggatt | gccccagtc | tgtgaccatg | ttgcctgaa | gaagaccatc | ttcatgactg | 840 |
| ctcattgtag | atggagaatt | caacataaat | acagcaagaa | aatgtgtttg | ggcttctgaa | 900 |
| gagttgtctg | cttaccttaa | catgtttact | tttttgaa | tgtactgtat | aggctgttgg | 960 |
| tgaatttctt | aagaagttgt | aatgaactca | aaattgaggc | cagagcttgc | ttccctttt | 1020 |
| cccaaacaaa | attggttttc | tgcacaagcg | atgctaata | tgtgttcagt | gtaactcgca | 1080 |
| gattggcaat | aagatacccg | ctacaaactg | tgattggatg | caaaatctct | tagcttcttt | 1140 |
| cacgaatgtt | ggccctgcct | agatgtttgt | aagcctccca | gaatgcatag | agtcattcac | 1200 |
| tgtagatctc | ttattgaaat | gcgtatttta | tttaatgtaa | gtatattttg | gaacagattt | 1260 |
| gtaatttgta | caattcaatg | ctttaattat | tttttctatt | ctcatttagt | ttgtattttc | 1320 |
| attgtataga | gcagacagaa | agatgttggg | tcaagcaact | attgaagaga | aatacaaa | 1380 |
| aaatatgaaa | ggcacattat | tcattttgtc | caaattgcaat | gagaatctca | ctcttaaaaa | 1440 |
| tcagctcttg | ctttcgggtc | cggatgtggg | gagcacattt | tggagccctt | tgaagctaga | 1500 |
| tttggatgat | caaaaacaaa | aggcagggag | cccattctaa | catgctgccc | agaggaaact | 1560 |
| ggctggagcc | tggaccagct | ggggctgatg | cttttgcagt | ggcatgtga | ttgtgacctg | 1620 |
| gtagctactt | atcagagagc | ccagaccctg | ctgtcctggg | agacaggagc | gatgcctcag | 1680 |
| gaatcagccc | aatgtctgat | gtcactgaga | ctgtacctgt | ggccattctt | ctgagtttgc | 1740 |
| tatggctcca | aggccctgcc | ggctgggggt | aagcctccta | aggcccttgg | aaggaccaag | 1800 |
| gagtcaacag | tggcatatgc | catcctccgg | ccaggttaat | atactgcaga | ggaaaagccc | 1860 |
| tgaagagagg | caagtggatt | tactccagca | tgtagacatt | tgaaccagtg | aaatcaaaaa | 1920 |

caaaataaat gtctgtctag tttc

1944

<210> 7474

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (119)...(305)

<223> similar to gi386865 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7474

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| ttaaatagga | ctcactaagg | ggaaatttgg | cccctcgagg | cccaaaaatt | cggcacgaga | 60 |
| actgcctgac | tgcttgttcg | tctcactggt | gtgagctcca | gcatcccctt | tgctcgaaat | 120 |
| ggacccaac | tgctcttgcg | ccactggtgg | ctcctgcacg | tgcgccggct | cctgcaagtg | 180 |
| caaagagtgc | aaatgcacct | cctgcaagaa | gagctgctgt | tcctgctgcc | ccgtgggctg | 240 |
| tgccaagtgt | gcccagggct | gcgtctgcaa | aggggcatcg | gagaagtgca | gctgctgtgc | 300 |
| ctgatgtggg | aacagctctt | ctcccagatg | taaatagaac | aacctgcaca | acctggattt | 360 |
| ttttaaaaat | acaacactga | gccatttgct | gcatttcctt | ttatactaaa | tatgtgactg | 420 |
| acaataaaaa | caattttgac | tttaaaaaaa | aaa | | | 453 |

<210> 7475

<211> 1610

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (349)...(630)

<223> similar to gi4689116 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7475

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-----|
| tttcgtgggtg | cgcttcgagg | gatcggaagc | cggttggggg | gtgagagggt | ttctcgctct | 60 |
| aggtaagcga | aacaagccgg | gggactgcga | gccagggact | cgggccgcgg | ggcggaaga | 120 |
| agtggggcag | cgcttgcca | ggccgaaagg | actttggggg | tgggggctgg | gagtcctgt | 180 |
| ctcgaatgag | ggaggagagg | tggagttgcc | ggggctcagg | cccgccctcg | agcatgggcg | 240 |
| gatgagagga | gtcgggagcc | gaggcctatg | gtccttcggg | tgaggggaga | cggagccagc | 300 |
| gaggagatgg | agcacaagct | tgtggaggag | attcttcaag | caatcactat | gtcaacagac | 360 |
| acaggtgttt | cccttccttc | atatgaggaa | gatcagggat | caaaactcat | tcgaaaagct | 420 |
| aaagaggcac | cattcgtacc | cgttggaata | gcgggttttg | cagcaattgt | tgcatatgga | 480 |

| | | | | | | |
|------------|-------------|------------|-------------|------------|-------------|------|
| ttatataaac | tgaagagcag | gggaaatact | aaaatgtcca | ttcatctgat | ccacatgcgt | 540 |
| gtggcagccc | aaggctttgt | tgtaggagca | atgactgttg | gtatgggcta | ttccatgtat | 600 |
| cgggaattct | gggcaaaacc | taagccttag | aagaagagat | gctgtcttgg | tcttgttgga | 660 |
| ggagcttgct | ttagttagat | gtcttattat | taaagttacc | tattattgtt | ggaaataaac | 720 |
| taatttgat | gggttttagat | ggtaacatgg | cattttgaat | attggcttcc | tttcttgag | 780 |
| gcttgatttg | cttggtgacc | gaattactag | tgactagttt | actaactagg | tcattcaagg | 840 |
| aagtcaagtt | aacttaaaaca | tgtcacctaa | atgcacttga | tgggtgtgaa | atgtccacct | 900 |
| tcttaaat | ttaagatgaa | cttagttcta | aagaagataa | caggccaatc | ctgaagggtac | 960 |
| tccctgtttg | ctgcagaatg | tcagatat | tggatgttgc | ataagagtcc | tatttgcccc | 1020 |
| agttaattca | acttttgtct | gcctgttttg | tggactggct | ggctctgtta | gaactctgtc | 1080 |
| caaaaagtgc | atggaatata | acttgtaaag | cttcccacaa | ttgacaatat | atatgcatgt | 1140 |
| gtttaaacca | aatccagaaa | gcttaaacaa | tagagctgca | taatagtatt | tattaaagaa | 1200 |
| tcacaactgt | aaacatgaga | ataacttaag | gattctagtt | tagttttttg | taattgcaaa | 1260 |
| ttatat | gctgctgata | tattagaata | atttttaaat | gtcatcttga | aatagaaata | 1320 |
| tgtatt | gcactcacgc | aaaggtaa | gaacacgttt | taaatgtgtg | tggtgcta | 1380 |
| ttttccata | agaattgtaa | acattgaact | gaacaaatta | cctataatgg | atttgggtta | 1440 |
| tgacttatga | gcaagctggg | ttggccagac | agtataccca | aacttttata | taatatacag | 1500 |
| aaggctatca | cacttggtgaa | attctctgtg | ctaactctgaa | tttgcattcc | atgggtgtta | 1560 |
| catggtatat | gtattgttat | taaagtaagt | gacccatgtc | aaaaaaaa | | 1610 |

<210> 7476

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (66)...(252)

<223> similar to gi386864 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7476

| | | | | | | |
|------------|-------------|------------|-------------|------------|------------|-----|
| ggcacgaggc | gccttatagc | ctctcaactt | cttgcttggg | atctccaacc | tcaccgcggc | 60 |
| tcgaaatgga | ccccaaactgc | tcttgcgcca | ctgggtggctc | ctgcacctgc | actggctcct | 120 |
| gcaaatgcaa | agagtgc aaa | tgcaactcct | gcaagaagag | ctgctgctcc | tgctgcccc | 180 |
| tgagctgtgc | caagtgtgcc | cagggtgca | tctgcaaagg | ggcatcaaag | aagtgcagct | 240 |
| gctgtgcctg | atgtccggac | agccctgctc | gaagatatag | aaagagtgc | ctgcacaaac | 300 |
| ttggaatttt | ttttccatac | aaccctgacc | catttactgt | atttttttta | atgaaatatg | 360 |
| tgaatgataa | taaaagttgc | tgacttaaaa | | | | 390 |

<210> 7477

<211> 1124

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (976)...(194)
 <223> similar to gi1237213 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7477

| | | | | | | |
|-------------|------------|------------|-------------|-------------|-------------|------|
| tttttttttt | ttatgggaat | aaatacttgt | taaacttctc | ttataaatat | gcattaaaac | 60 |
| gtccgataac | acaagccaag | ggctgtaaaa | ttaagggttaa | atcaagactg | aatttcccgc | 120 |
| acggaccagc | aggaaagcca | gttacctaaa | agagcctaata | ccccaaatcc | gctgaagggtg | 180 |
| cagggcgggc | tcagtcccgg | ggcatcttga | actggctcctt | ctccctgcgc | acggcccgcga | 240 |
| tgggtggtcac | cgggtccgtc | tcacctgcgt | gctgctgcac | cgtcttctcc | ctcaactctca | 300 |
| tgaaggggtt | gtaggtaaac | tcctctgcca | gggtggatgg | caactgtgggc | tccccgatgc | 360 |
| tgtacttctc | cttggcccag | gccagcttct | cccggatggc | ggcattgccg | ggctccacgt | 420 |
| ggcgtgcaaa | cttgagggtg | ttgatggtgt | actcgtggcc | acagtagact | cttgtgtccg | 480 |
| gggggagccg | gcccagacc | tccagcagag | ctttacacat | ctcatccgca | gtcccttcat | 540 |
| agaacttccc | gcagccagcc | acaaacaagg | tgtcacctgt | gaacacggca | gggggctccg | 600 |
| agcctccggg | cttgctcacg | aagtaacaaa | tgtgtcctga | agtgtggcac | gggggtcgcca | 660 |
| ggcacttgac | gttcagagac | cccacctgca | gtgtggacag | gtgagtgate | ttgtgagtca | 720 |
| gggcccgcg | acggtcgtca | ccccgtaca | ccttcagtc | cgactccagc | ttgaccagtt | 780 |
| tctcattccc | gccagcatgg | tcccagtggt | gggtgggtgg | gagcactgtg | gtcagtttca | 840 |
| ccccgtgctt | tctcgccgcg | tccacgacct | tctggggctg | caccggatcc | acaatggcag | 900 |
| cctccttggt | ctcatcatca | atgaccaggt | acatgtagtt | gtcggtcagg | gcaggcagca | 960 |
| cctctacctt | catggtgccc | tcgtccacgg | tcaggttctt | ccgcaaactc | gtgtggcaga | 1020 |
| aaactcccag | cagggctgga | cctagcgctt | tccgcacccg | cggcccaacg | cccgtctcagc | 1080 |
| gcttgcgccg | cctccgctcg | agcccgagac | aaatcgctga | cccg | | 1124 |

<210> 7478
 <211> 3073
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (17)...(2844)
 <223> similar to gi1019103 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7478

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-----|
| tgtcgtggga | aatgtagtca | ctgtcccgga | acctggggca | gcggagtccc | gtgcgccctg | 60 |
| tgggtgacagc | tcaggagggt | gtgtgcgctc | agcagggggc | agcatggacc | agtctgtggc | 120 |
| aatccaggag | acgctggctg | agggggaata | ctgcgtcatc | gcggtgcaag | gtgtgctgtg | 180 |
| tgagggggac | agccggcaga | gccgcctcct | gggactcgtg | cgtaccgcc | tggagcatgg | 240 |
| cggccaggaa | cacgctctct | tcctctatac | gcaccggagg | atggccatta | ccggggacga | 300 |
| tgtctctctg | gaccagatag | tgccagtctc | gcgggatttt | acgctggaag | aagtgtcccc | 360 |
| agatggtgaa | ctctacatcc | ttggctcaga | tgtgaccgtc | cagctggaca | cagcagagct | 420 |
| tagcctcgta | ttccaactgc | cctttgggtc | acaaaccagg | atgttctctc | acgaagttgc | 480 |
| cagggcctgt | ccaggcttcg | attctgcgac | ccgggatcct | gaattcctgt | ggctgtctcg | 540 |

| | | | | | | |
|-------------|-------------|------------|------------|------------|-------------|------|
| gtataggtgc | gcagagctgg | agctggagat | gccaacgccc | cgcggttgta | actcgccct | 600 |
| agttacctgg | ccagggtagc | cgacaattgg | cggaggtggt | tctaactttg | atggtttgag | 660 |
| accaaattgg | aagggagtgc | ctatggacca | aagctccagg | ggtcaagata | aaccagaaag | 720 |
| cttgcaacca | agacagaata | aatccaagtc | cgaaattact | gacatggttc | gctcctccac | 780 |
| tatcacagtg | tgggacaagg | ctcatatttt | atccatgcag | aagtttggac | tgcgagatac | 840 |
| aattgtgaaa | tcacatctac | tacagaaaga | agaggattac | acctatatcc | agaacttcag | 900 |
| gttttttgcg | ggaacataca | atgtaaattg | gcagtcctcc | aaagaatgcc | tccggctgtg | 960 |
| gctgagcaat | ggtatccagg | ccccagatgt | ctatttgtga | gggttccagg | agcttgatct | 1020 |
| gagtaaggaa | gcttttttct | ttcacgatac | cccaaaggag | gaagagtggg | tcaaagctgt | 1080 |
| gtcagagggt | cttcatccag | atgccaaata | tgcaaagggt | aagcttatcc | gactggttgg | 1140 |
| gattatgctg | ctgttatatg | tcaaacagga | gcattgcagc | tatatctcag | aagtggaggc | 1200 |
| cgagactgtg | gggacaggaa | tcatggggag | gatgggcaac | aagggaggcg | tggcgatcag | 1260 |
| gttccagttc | cacaacacca | gcattctgct | tgtgaattct | cacttggcag | cccacattga | 1320 |
| agagtatgag | aggaggaacc | aggactataa | ggacatttgt | tctcgaatgc | agttttgtca | 1380 |
| gcctgaccca | agccttcccc | ctctcaccat | cagcaaccat | gatgtgatct | tgtggctggg | 1440 |
| ggacctcaac | tacaggatag | aagagctgga | tgtggaaaaa | gtgaaaaagc | tcatcgaaga | 1500 |
| gaaggatttt | caaattgctgt | atgcatatga | tcagctgaaa | attcaggtgg | ccgcaaagac | 1560 |
| tgtctttgaa | ggcttcacag | aggggtgagc | cacattccag | cctacttaca | agtatgatac | 1620 |
| gggctctgac | gactgggata | ccagtggaga | gtgccgtgct | cctgcctggg | gtgatcggat | 1680 |
| tctctggaaa | gggaagaaca | tactcagct | gagttaccag | agccacatgg | ccctgaagac | 1740 |
| cagtgaccac | aagcctgtca | gctcagtggt | tgacatcggt | gtgagggctg | taaatgacga | 1800 |
| gctttaccgg | aagacactgg | aggaaattgt | tgcgtccctg | gataagatgg | aaaatgccaa | 1860 |
| cattccttct | gtgtccctgt | ccaagcgaga | gttctgtttt | cagaatgtga | agtacatgca | 1920 |
| attgaaagta | gaatccttta | caattcataa | tggacaagta | ccctgtcatt | ttgaattcat | 1980 |
| caacaagcct | gatgaagagt | cttactgtaa | gcagtggtcg | aatgccaaac | ccagcagagg | 2040 |
| cttctctctg | ccagattctg | atgttgagat | tgacttggag | ctcttcgtaa | ataagatgac | 2100 |
| agctacaaag | ctcaactcgg | gtgaagacaa | aattgaggac | attctggttc | tgcacttgga | 2160 |
| caggggaaag | gattactttt | tgtctgtgtc | tgggaactac | ctgcccagct | gttttgggtc | 2220 |
| tcccattcat | acactgtgtt | acatgagaga | gccaatcttg | gacctaccac | ttgaaaccat | 2280 |
| tagtgagctg | actctgatgc | cagtatggac | tggagatgat | gggagccagt | tggatagccc | 2340 |
| catggaaatc | cccaaagagc | tctggatgat | ggttgattac | ctgtaccgaa | atgctgtcca | 2400 |
| gcaggaagat | ctgtttcagc | aaccaggcct | gaggtcagaa | tttgaacata | tcagggactg | 2460 |
| cttgataact | ggaatgattg | ataacctctc | tgccagcaat | cattctgtag | ccgaagccct | 2520 |
| gctgcttttc | ctggagagcc | ttccagagcc | tgtcatctgt | tacagcacct | accataactg | 2580 |
| cttgagagtgt | tctggcaact | acacagcaag | caaacaggtc | atttctactc | tccccatatt | 2640 |
| ccacaaaaat | gtcttccact | acttgatggc | gtttttgcga | gaactgctga | aaaattcagc | 2700 |
| aaaaaatcat | ttggatgaga | atattctagc | tagcatattt | ggcagcttat | tgcttcgaaa | 2760 |
| cccagctggg | caccaaagc | ttgatatgac | agagaagaag | aaggctcaag | aatttattca | 2820 |
| ccagttcctc | tgcaaccac | tctgagcctc | tctctcctcc | tattttactt | gaggctgcc | 2880 |
| attaccagcc | ccacctgttt | cagctcaaga | gatgccttaa | gataattatg | tgaggccact | 2940 |
| tggtagcaag | aatggcagct | atttcctgag | cctagtaccc | caattaagcc | caccattggg | 3000 |
| tagcacactc | agcgtgtgta | gtcgtgaaga | cacgggagaa | aatccaccat | aataaaaactg | 3060 |
| acattcaatt | ttc | | | | | 3073 |

<210> 7479

<211> 2594

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1190)...(2425)

<223> similar to gi4263748 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7479
cgcgccagcc gcgaatcgga tctctatgga gatggcctag gcgatatccc tgagctgaga      60
gcataccctt gtecccgaa ccttctttcc tctctgtttt gtttttcatt cccctccctc    120
tctccctccc cctccagtc cactgagact ggctgttgac cctgttcagg cctcggtgaa    180
ggcttttggg tactccctt cccaccccat cccctaattt tattcttttg aagagtgcac    240
ttcaagctgc caaggtggag agagggatta cagaaaggag aacaccttat ttcagaaaag    300
gtgtaccata cctgagagca ccaggaagtc gcatgagaga tcacctgata catgaacgta    360
tgatgttcca tctgcgcatt gatgaatagg cagcatttac aaattaactg atgtgttgct    420
gtatatcatc tctttgatga ttgctcctct tctttgtatc ctgtcttata atttcaacac    480
atgtgcgata ctcaatgtct attctaaatt aacctgtttt tgtaccacaa actcattgcc    540
catggatctg ttgctgaaac aaggaagtc taaacaagaa gtggaatctt tctgttatca    600
gattgtgtct gaatcaaatg atcagaagg tggaaatatta caaagtgaag ataagcagtt    660
gcaaccttca gtttctaaaa aatcagaagg tgagctttcc agggcctaat ttatatccaa    720
ttccaacaaa ataacattta gtaaaaaacc aaaaagaaga aaatatgatg aaagttattt    780
gtcttttggg tttacttact tcggaaatag agatgcacct catgctcagt gtgtattatg    840
taagaaaatt ttatcaataa gctcttttag ccctagtaag cttcgaagac atttggaaac    900
taaacatgct gcatataaag acaagacat aagctttttc aagcaacatc tcgattcacc    960
tgaaaataat aaaccccaa cactaaaaat tgtgaataca gataatgaaa gtgctacaga   1020
agcatcatat aatgtaagtt accatatagc gctgagtgga gaggtcata ctattggaga   1080
attgcttata aaacctgtg caaaagatgt agtgatgcgg atgtttgatg aacaatatag   1140
taaaaaaata gatgcagtac agctatcaaa cagtactgtt gcacgtcgaa ttaaggatct   1200
agctgctgac attgaagaag agcttgtttg tagactgaaa atttgcgatg ggttttctact   1260
gcaactagat gaatcagctg atgtttcagg acttgcctgtg ctgcttgtgt ttgttcgtta   1320
taggtttaat aagtcatttg aggaagacct actcctgtgt gaatctttgc aaagtaatgc   1380
taccggtgaa gaaatattca actgtatcaa cagttttatg cagaaacatg aaattgaatg   1440
ggaaaaatgt gttgatgttt gtagtgatgc ttctagggca gtggatggga aaattgccga   1500
agctgtcacc ttaataaaat atgtggctcc cgaaagcacc agtagtcact gcctattata   1560
cagacatgca ctggcagtta aaataatgcc tacatctcta aaaaatgtgc tagaccaggc   1620
agtacaaatc atcaattata ttaaagctcg accacatcaa tccagactat taaaaatttt   1680
atgtgaggaa atgggtgctc agcacacagc acttcttcta aatacagagg tgaggtggct   1740
ttctcgaggt aaagtctctg taagactttt tgaacttcgt cgtgaacttt tggttttcat   1800
ggattctgct tttcgactat ctgattgttt aacaaattca tcttggtgc taagacttgc   1860
atatcttgca gatattttta ctaaattaaa tgaagttaat ttgtcaatgc aaggaaaaaa   1920
tgtgaccggt tttacagtat ttgataaaat gtcgtcattg ttaagaaaat tgggaattttg   1980
ggcctcatct gtagaagaag aaaactttga ttgttttcc acactcagtg attttttgac   2040
tgaaattaat tctacagttg ataaagatat ttgcagtgcc attgtgcagc acctaaagggg   2100
tttgcgcgct actctgttaa aatactttcc tgaacaaat gacaataatg cttgggttag   2160
aaatccattt acagttactg ttaaccagc ttcattagta gcacgggact atgagagcct   2220
gattgattta acatctgatt ctcaagtga gcaaaatttt agtgaacttt cactaaatga   2280
tttttgagtg agcctaattc aggaataccc aagcattgca aggcgtgcag tgcgtgtact   2340
tcttcctttt gctacaatgc acctgtgtga aacgggggtt tcatattacg ctgcaacaaa   2400
aacaaaatat aggaaaagac ttgatgctgc acctcatatg cgaatccgac ttagcaatat   2460
tacacctaat attaacgcga tatgtgataa aaagacacaa aaacactgtt ctcatataaa   2520
ttggaggagt ttgcatgtct catgataacc aaatgtaaga tgaaaataaa agatgattta   2580
cttcaaaaaa aaaa

```

<210> 7480

<211> 1938

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (82)...(1441)
<223> similar to gi5853321 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7480
agatagtaaa taatctcggg aagggcgagaa agaagctgtc tccatcttgt ctgtatccgc      60
tgctcttgtg acgttgtgga gatggggagc gtcctggggc tgtgctccat ggcgagctgg      120
ataccatgtt tgtgtggaag tgccccgtgt ttgctatgcc gatgctgtcc tagtggaac      180
aactccactg taactagatt gatctatgca cttttcttgc ttgttggagt atgtgtagct      240
tgtgtaatgt tgataccagg aatggaagaa caactgaata agattcctgg attttgtgag      300
aatgagaaag gtgttgtccc ttgtaacatt ttggttggct ataaagctgt atatcgtttg      360
tgctttgggt ttgctatgtt ctatcttctt ctctctttac taatgatcaa agtgaagagt      420
agcagtgate ctagagctgc agtgacacaat ggattttggt tcttttaaatt tgctgcagca      480
attgcaatta ttattggggc attcttcatt ccagaaggaa cttttacaac tgtgtgggtt      540
tatgtaggca tggcaggtgc cttttgtttc atcctcatac aactagtctt acttattgat      600
tttgcacatt catggaatga atcgtgggtt gaaaaaatgg aagaaggga ctcgagatgt      660
tggtagcgag ccttgttata agctacagct ctgaattatc tgctgtcttt agttgctatc      720
gtcctgttct ttgtctacta cactcatcca gccagttgtt cagaaaacaa ggcgttcac      780
agtgtcaaca tgctcctctg cgttgggtgt tctgtaatgt ctatactgcc aaaaatccaa      840
gaatcacaac caagatctgg tttgttacag tcttcagtaa ttacagtcta cacaatgtat      900
ttgacatggt cagctatgac caatgaacca gaaacaaatt gcaaccaag tctactaagc      960
ataattggct acaatacaac aagcactgtc ccaaaggaag ggcagtcagt ccagtgggtg      1020
catgctcaag gaattatagg actaattctc tttttgttgt gtgtatttta ttccagcatc      1080
cgtacttcaa acaatagtca ggttaataaa ctgactctaa caagtgatga atctacatta      1140
atagaagatg gtggagctag aagtgatgga tcaactggagg atggggacga tgttcaccga      1200
gctgtagata atgaaaggga tgggtgtcact tacagttatt ccttctttca cttcatgctt      1260
ttcctggctt cactttatat catgatgacc cttaccaact ggtacaggta tgaacctct      1320
cgtgagatga aaagtcagtg gacagctgtc tgggtgaaaa tctcttccag ttggattggc      1380
atcgtgctgt atgtttggac actcgtggca ccacttggtc ttacaaatcg tgattttgac      1440
tgagtggagc ttctagcatg aaagtccac tttgattatt gcttatttga aaacagtatt      1500
cccaactttt gtaaagttgt gtatgttttt gcttcccatg taacttctcc agtgttctgg      1560
catgaattag attttactgc ttgtcatttt gttattttct taccaagtgc attgatatgt      1620
gaagtagaat gaattgcaga ggaaagtttt atgaatatgg tgatgagtta gtaaaagtgg      1680
ccactattgg gcttattctc tgctctatag ttgtgaaatg aagagtgaaa acaaatttgt      1740
ttgactatth taaaattata ttagacctta agctgtttta gcaagcatta aagcaaattgt      1800
atggctgcct tttgaaatat ttgatgtgtt gcctggcagg atactgcaaa gaacatgggt      1860
tattttaaaa tttataaaca agtcacttaa atgccagttg tctgaaaaat cttataaggt      1920
tttacccttg atacggaa                                     1938

```

```

<210> 7481
<211> 2031
<212> DNA
<213> Homo sapiens

<220>

```

<221> misc_feature
 <222> (249)...(1356)
 <223> similar to gi5052520 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7481
 tagaaaccag gcggcgcgtt cccggtggcg ggcgcctgga ctcccggggc cgcgcacccc 60
 cgccagcctt ccttaaggcg gatgggtggc ccccgagacc ccgtcggacc catggtttcc 120
 agtgcagcgc ggagtgggcg atgccagcgt gccaggagcc atgtctgacc aggacgtttg 180
 gaagatcata tccatgccag aggcctcttg gaggagatga gttggtaaag agagaggctg 240
 ggatgaagat gctgccagga gtgggcgtgt ttgggaactgg cagctccgcc cgagttctgg 300
 tcccactgct gagggcagaa gggttcactg ttgaggccct gtgggggaag actgaggagg 360
 aggcgaagca gcttgctgag gagatgaaca tcgccttcta caccagccgg actgatgaca 420
 tcttgctgca tcaagatgtg gatctggtgt gcatcagcat cccccctcca ctcacccggc 480
 agatatccgt gaaggctcta ggtattggga agaattgtgt ttgcgagaag gcagcaacat 540
 cgggtggatgc cttccggatg gtgacagcct cgcgctacta cccgcagctc atgagcctgg 600
 tagggaacgt gctgcgcttc ctgcctgcct tcgtgcgcat gaaacagctg atttcggaac 660
 actatgtggg agcgggtgat atctgtgat cccgcactta ctcaggcagc ctgctgagcc 720
 ccagctatgg ctggatctgt gatgagctca tgggcggcgg gggcttgac accatggggg 780
 cctacattgt ggacctgctg acccacctga ccggccggag agccgagaag gtgcacgggc 840
 tgctcaagac attcgtgagg cagaacgctg ccatccgtgg catccggcac gtcactagcg 900
 atgacttctg tttcttccag atgctcatgg gtgggggtgt gtgtagcaca gtgacactca 960
 acttcaacat gccaggcgcc tttgtgcatg aagtcattgt ggtaggctct gcaggacgcc 1020
 tcgtcgcccg gggagccgac ctctatgggc agaagaactc tgccacgcaa gaggagctgc 1080
 tcttgagggg ctcgctggca gtgggcgcag gactgcctga gcagggggcc caggatgtcc 1140
 cgctgctgta cctgaagggc atggtctaca tgggtgcaggc cttgcgccag tccttccagg 1200
 ggcagggcga ccgcgcacc tgggaccgca cccctgtctc catggccgcc tccttcgagg 1260
 atgggctgta catgcagagc gtggtggatg ccatcaagag gtcgagccga tccggggagt 1320
 gggaggctgt ggaggtgctg acggaggagc ccgacaccaa ccagaacctg tgtgaggcac 1380
 ttcagcggaa caacctatga gcctgcacct gggctccttg ccacagggca gagggaccag 1440
 ggaggggaac aggagccaga catgacaggg acttggccct agcagagaca gtgtctttca 1500
 tttaatgagt ctgggtgaag ccagaggtgg ctctgggact tcgccccctc cagtggctca 1560
 tctgtcctc agacttgagc ggtggcaaat gttcctgttg ccaggttacc acggtgtgca 1620
 cagggcagag ctgccgccag gcctcctcat ggtgatgcca gtgagtcgga ccaggaaagg 1680
 ctcaccctgg ggagcccttc agcctgatcc gcagtcctaa cagggtgaga aagcacaaga 1740
 ggggccagct cggctgaggc ctgaggagaa atgatgagaa gttttgtttc gttcttgggc 1800
 tggggcatct caggaacagt gagggcaaca agctgtccct cagggaccct cacctgccct 1860
 cccatgtgac caggcccttc ccaggtgggg actggggctt gctttattaa gtgagctctt 1920
 gggcttttga agtaggacag agggccctgg tttggcagag aggaggcaag ggagggcttt 1980
 agaacatctg agaaatgtta ataaataatt cagaaaatag gaaaaaaaaa a 2031

<210> 7482
 <211> 2667
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (650)...(2072)
 <223> similar to gi493572 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7482
tcaacgctcc ggggcccgtc ggctcgcctt tcttcctctc cctttctctc ctgcttgctt 60
tcaccgctcc cccctgtctt ttcacggttg ctggttttat tttgttggtg tatttatgcc 120
tttaggggtt ttgttccatc ggcgtcgagc tcatgggtgt acattatcat gctcttcttt 180
tgtagagcag cgcacggcca tggaggctga agagacgatg gaatgccttc aggagtccc 240
tgaacatcat aaaatgatcc tgcaccgatt gaatgaacag cgagagcagg accgggtttac 300
tgacatcacc ctaattgtcg acggacacca ttttaaggct cacaaggctg ttttggtctg 360
ttgtagtaag ttcttctaca aattctttca ggagtttacc caagaacctt tgggtggagt 420
agaagggtgt agtaaaatgg cctttcgcca ttttaattgag ttcacatata cagcaaaatt 480
aatgatacaa ggagaagaag aagccaatga tgtatggaaa gcagcagagt ttctacaaat 540
gctagaagct atcaaagccc ttgaagtcag gaacaaagaa aactcagctc ccttagagga 600
aaataccaca ggaaaaaatg aggccaaaaa aaggaagatt gcagaaactt caaatgttat 660
cactgagtca ttgccatctg cagaatcaga acctgttgaa attgaggtag agattgccga 720
aggcaccatt gaagtggaaag atgaaggcat cgaaacatta gaggaagtgg cttctgccaa 780
gcagtcctga aagtacatac agagcacagg ttctctgatg gattctgctc tagcactgtt 840
ggcagatatt accagcaagt accgtcaagg tgacagaaaa gggcagatta aagaagatgg 900
ctgtccatct gaccccacga gcaaacagggt agaaggattt gaaattgtgg aacttcagct 960
gtcacatgtg aaggacttgt tccattgtga gaaatgtaac cgttcattta aattgtttta 1020
ccatttttaag gagcacatga aatcacactc cactgagagt ttcaagtgtg aaatatgcaa 1080
taaacgatat cttcgagaga gcgcattggaa acagcaccta aattgttacc acctgaaga 1140
aggtggagtc agtaagaagc aaagaactgg gaaaaaaatt catgtatgtc agtactgtga 1200
gaaacagttt gaccttttg gacattttta agaacatctt cgaaaacata caggtgaaaa 1260
accttttgaa tgtccaaatt gtcatgaacg atttgctaga aatagcactc tgaaatgtca 1320
cctcactgca tgccaaactg gagtaggggc aaaaaaggga aggaagaagc tctacgaatg 1380
ccaggctctg aacagtgtgt ttaacagctg ggaccagttc aaagatcact tggtaataca 1440
cactggagat aaaccaacc attgtacttt atgtgatttg tggtttatgc aaggaaatga 1500
attaaggagg catctcagtg atgtcacaa tatttcagag cgtctagtaa cggaagaagt 1560
tctttcagta gaaacacgtg tgcaaactga acctgtaaca tcaatgacta ttatagaaca 1620
agttgggaag gtgcatgtgc taccattgct tcaggttcag gtggattcag cacaagtgc 1680
tgtggaacaa gtccatccag atctgtctca ggacagccag gtgcacgatt cacacatgag 1740
tgagcttcca gagcaggtcc aagtgaagta tctagaagtg ggccgaattc agactgaaga 1800
aggtactgaa gtacatgtag aggagctgca tgttgaacgg gtcaatcaaa tgccagtggg 1860
agtacaaact gaacttctag aagcagattt ggaccacgtg accccagaaa tcatgaacca 1920
agaggagaga gagtctagcc aagcagatgc tgctgaggct gccagggaag atcacgaaga 1980
tgctgaggat ttagagacca agccaacagt ggattctgaa gcagaaaagg cagagaatga 2040
ggacagaaca gctctgccag ttttagaatg aaattacaca tgaatatatt tttaaattta 2100
cttgttggtt ttttgaaactg attatgggca gtttgactgt ccttaattaa gcctaacaga 2160
caagtggacc aaagttaagc tgtttcctgt tgtgctgaac tgttgctcgt tgaaacacat 2220
tgattccctt cccctactt attgccacag aggagggatc ttttcataa ctgaagggga 2280
gttttgagaa gtatatttct ggaaacttaa atggattata ttcttattat atagtgggt 2340
acgaatgtat ctattttcat tgtggtaaaa gttcttctt ttctctttcc caggtcatgt 2400
tcttcctcaa attttttcca tattgtaaaa tcaaacttaa atcattagaa tacaagttaa 2460
tgtattctaa tgcattgttag aaaattgaat aatataggaa acacaaggct gcatgatgaa 2520
aagtgcattg ttactgtgca gttaaatatt ggcttctggc tttctttagt ttgaacaaac 2580
gttcttgtct accccagtag tcacagatgc catctttgca acagaaagag tgggtggtggc 2640
aaaatttcta gaatgttaaa aaaaaaa 2667

```

<210> 7483

<211> 1714
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)...(728)
 <223> similar to gi5514631 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7483

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|------|
| ctggggctcg | ccgtcaacgt | ggtcaccacg | ctcgtgctca | tctcctactg | tcccacggcc | 60 |
| accgaagagg | caccatactg | gacatacctt | ttatgtgcac | tgggactttt | tatttaccag | 120 |
| tactggatg | ctattgatgg | gaaacaagcc | agaagaacaa | actcttggtc | ccctttaggg | 180 |
| gagctctttg | accatggctg | tgactctctt | tccacagtat | ttatggcagt | gggagcttca | 240 |
| attgccgctc | gcttaggaac | ttatcctgac | tgggtttttt | cctgctcttt | tattgggatg | 300 |
| tttgtgtttt | attgcgctca | ttggcagact | tatgtttcag | gcatgttgag | atttggaaaa | 360 |
| gtggatgtaa | ctgaaattca | gatagcttta | gtgattgtct | ttgtgttgtc | tgcatttgga | 420 |
| ggagcaacaa | tgtgggacta | tacgattcct | attctagaaa | taaaattgaa | gacacctcca | 480 |
| gttcttgga | ttctaggtgg | agtaatat | tcctgttcaa | attatttcca | tgttatcctc | 540 |
| catgggtgg | ttggcaagaa | tgatccact | atagcaggca | ccagtgtctt | gtcacctgga | 600 |
| ctccacatag | gactaattat | tatactggca | ataatgatct | ataaaaagtc | agcaactgat | 660 |
| gtgtttgaaa | agcatccttg | tctttatata | ctaagtgttg | gatgtgtctt | tgctaaagtc | 720 |
| tcacaaaaat | tagtggtagc | tcacatgacc | aaaagtgaac | tatatcttca | agacactgtc | 780 |
| tttttggggc | caggtccttt | gtttttagac | cagtacttta | ataattttat | agacgaatat | 840 |
| gttggtctat | ggatggcaat | ggtgatttct | tcatttgata | tggatgata | ctttagtgtc | 900 |
| ttgtgcctgc | aaatttcaag | acaccttcat | ctaaatatat | tcaagactgc | atgtcatcaa | 960 |
| gcacctgaac | aggttcaagt | tctttcttca | aagagtcata | agaataacat | ggattgaaga | 1020 |
| gacttccgaa | cacttgctat | ctcttgctgc | tgtgttttca | tgggaaggaga | tattaaacat | 1080 |
| ttgtttaatt | tttatttaag | tgttatacct | atttcagcaa | ataaaatatt | tcattgctta | 1140 |
| tattaatcct | tattttttca | atttcaatat | gatcacttac | agtttccatc | ataatttttt | 1200 |
| tttgcaacat | agccatttct | tttttaaatt | cattttgtgc | accagtaagt | agattatcat | 1260 |
| gattcttctc | caactcttcc | atactctaaa | aacacaaaag | acaagttaag | ttacaaagga | 1320 |
| ccacttttca | tctcaggttc | taaacttgta | caattaattt | tcaaaagtag | taatttttga | 1380 |
| atattcaaat | gctcatctat | ttgaaataaa | aatattctaa | gtaatacatg | aataccaaaa | 1440 |
| tacctactaa | aaaagaaaaa | atataagaca | tgaataaaat | gttataggaa | gtacaatgta | 1500 |
| gtatactttg | cccaaaatgg | gtttcctgaa | ctgttaaggt | caagataaaa | aagactggaa | 1560 |
| gtcccacatc | agtaaaaacc | atttctatta | agctttccaa | atatcaagca | ataatctact | 1620 |
| tatgactaat | agtgtgccat | gaattcacta | gaggaataaa | aataatctat | agtacaacct | 1680 |
| ctttcacatt | atgaaaaata | aaaattatgt | ctta | | | 1714 |

<210> 7484
 <211> 1211
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (159)...(755)
 <223> similar to gi5815353 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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<400> 7484
gatgacatct ggtgtattga ctgtggccag tcttaaagct agtttttgct atgtggaaca      60
tgctgctcta attcagattt aaagagtttc ttcctgttaa ttcgaagctc actgtgcctc      120
ttgtttccga ggggaagaagg actgattaag tcatctaaat ggatgcaata ctgaattaca      180
ggtcagaaga tactgaagat tactacacat tactgggatg tgatgaacta tcttcggttg      240
aacaaatcct ggcagaattt aaagtcagag ctctggaatg tcaccagac aagcatcctg      300
aaaaccccaa agctgtggag acttttcaga aactgcagaa ggcaaaggag attctgacca      360
atgaagagag tcgagcccg c tatgaccact ggcgaaggag ccagatgtcg atgccattcc      420
agcagtggga agctttgaat gactcagtga agacgtcaat gcaactgggtt gtcagaggta      480
aaaaagacct gatgctggaa gaatctgaca agactcatac caccaagatg gaaaatgagg      540
aatgtaatga gcaaagagaa agaaagaaag aggagctggc ttcaaccgca gagaaaacgg      600
agcagaaaga acccaagccc ctagagaagt cagtctcccc gcaaaaattca gattcttcag      660
gttttgcaga tgtgaatggg tggcaccttc gtttccgctg gtccaaggat gctccctcag      720
aactcctgag gaagttcaga aactatgaaa tatgaaatat ctctgcttca aaaaatgagg      780
aagagcaaga ctgtccccta tgcgtccaac atgcagtctt tgtttatgtc ttaaaaatgt      840
catgtttatg tcatgtctgt gaattgctga gtactaattg attcctccat ccttgaatca      900
gttctcataa tgctttttta ataagaaaaa ttcagaagat gaatttcttc caatatttga      960
ataaattaaa gctcttagat acagagtaga ttgtattata tgctttttcc tattaatact     1020
acttatagaa atccattaaa aagcaatctc tgtacagtgt atttaaatat ttcattgaca     1080
tactgtgatc tctattagtg atggatgtac aaaaaatgtt tttttaccct tgacttacaa     1140
tgaaatgtga aattacttgt ttgaaccccg tggggagaaa taaataattt tcccaaagtt     1200
caaaaaaaaa a                                     1211

```

<210> 7485

<211> 1630

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1120)...(825)

<223> similar to gill154645 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7485
tttttttttt ttttgcagc ctttgtcaga aaatatattt attattgata gtgagtgaag      60
taaagatgtg agtattcact atagagggtt tatcagccaa ggttgccctc atattgataa     120
aaatacctta tctcacttgt aatcataaac attattccag tagaagaggg acattttctc     180
tcctttttgt cttcttgccg gtataatcac cataataagt tataatgaaa tagctcttac     240
ataatcaaag gagaaaagaa agacaaaacc aacatgccac agcctagaca attccatcca     300
gcactgctgc ctccagatct gttttctggc tctctccacc cagcactgct gccctcggat     360
ctatgttttc tggctctctc ctgcctccac tccaattaat ttagccccc accccatcct     420
actttgttag ggtggagggt caccaaata tggggcttgt tcagaagaga aacattttat     480
ggtcagtga agttgaatag aaagtaccaa aagggtggaga gggctgccct tctcttttaa     540
tcatcataag aggggttact aatactcaag agtgtccttt aatgactgat ccctgatcaa     600

```

| | | | | | | |
|------------|-------------|-------------|-------------|------------|------------|------|
| ggctttggcc | cttcaaactg | ctgctgttca | aaacgtgaaa | tgattctgct | gaatccattc | 660 |
| ttgatgtctc | tcttttagtg | tcttctcatt | agtggctctc | tcttcaaata | ggttgttttc | 720 |
| tactaggaaa | aaaaaatgtt | ccatctctgg | aattaacgtt | gatgggtgtt | tgtcattctc | 780 |
| gaaagttttt | atcctccctt | ctcaagcatg | ctctgtttgg | catgattgac | acagtgcata | 840 |
| tactgggtgg | ccagagcgga | gcatttgagg | gtctgggtgg | tgttctcacg | gtaacactga | 900 |
| agaatttttg | cctgcagatc | agcacagact | ggatgagact | catatcgctt | gaactttgct | 960 |
| tccacctctt | cagcagcttt | ctgatattgt | tcagtgggtga | ctctgtagaa | ctctgagctc | 1020 |
| ctctcctcca | gtctagccag | ctgttctttg | tagaatgcat | cctgcttctt | tagcactcgg | 1080 |
| tctttctctt | ccagctgcct | agccaggtgc | tttgcttag | cgcgttcctc | ctcgctacat | 1140 |
| atcctctccc | gaaggatggc | tctggttaac | tgtcatttgg | cagcagccct | ctctcgggtc | 1200 |
| agctcttttg | cttgcttttag | tctgtttctga | tcttcggatt | ctttcttggc | ttgctccaat | 1260 |
| gccagctcct | cagctactct | tcttttcaat | tcttcacag | aaactgaggc | accataagca | 1320 |
| ccagaatacc | gctgagactt | cgaaccagat | ggagaggatt | ccttcattcg | atcaatcaca | 1380 |
| ttttccgaaa | gccggatgcc | cttcaccaag | gtgatgttct | cattctcgtc | cgcctcgaag | 1440 |
| gtgacccggc | gggtgctggg | ggccccacc | atgattccgg | ttctgcccc | agcggagacc | 1500 |
| tagcggggaa | ccacgagcac | ttcggggccc | ccgcacccac | acgcgcgtgg | aagggcctgg | 1560 |
| attcttttcc | cgcacagcgg | gagcaaggcc | acgaccccc | gaagcaagga | gaaggcgccg | 1620 |
| gtccacgaaa | | | | | | 1630 |

<210> 7486

<211> 969

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (156)...(840)

<223> similar to gil373214 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7486

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-----|
| gcggccgctc | caacatgtta | ccattctgat | gttggagccg | gttagcgaac | ccaagagtgt | 60 |
| cagagtgtgg | agcgtggagc | gccgggactg | tgcacgcttg | accggaagcc | cagaccagtgt | 120 |
| cggctctagc | cagagagaaa | ggacatttgc | caacaatgag | acacgaagcg | cccatgcaga | 180 |
| tggcctctgc | ccaagatgcc | aggtacggcc | agaaagactc | ctctgatcag | aactttgact | 240 |
| acatgttcaa | attactcatc | atcggcaata | gcagtgtggg | gaaaacatct | tttctattcc | 300 |
| gttatgcaga | tgactccttt | acatctgcat | tcgtcagcac | agttgggatc | gatttcaaag | 360 |
| taaaaactgt | attcaaaaat | gaaaagagaa | tcaagcttca | gatttgggac | acagcaggcc | 420 |
| aggaaagata | caggactatc | accacagcct | attatcgtgg | agccatgggc | tttattttaa | 480 |
| tgatgacat | tacaaatgaa | gaatccttca | atgcagtaca | agatttgtca | actcaaatca | 540 |
| aaacatactc | ttgggacaat | gcccaagtta | ttctggttgg | gaacaagtgt | gacatggaag | 600 |
| acgagcgggt | catctcaact | gagcgaggtc | aacatttagg | agaacagctt | gggtttgagt | 660 |
| tttttgaaac | aagtgccaa | gacaacatta | atgtcaagca | gacatttgag | cgccttggtg | 720 |
| atatcatctg | cgacaaaatg | tcagagagtt | tggagactga | tcctgccatc | actgctgcaa | 780 |
| agcagaacac | gagactcaag | gaaactcttc | ctccaccgca | gcccactgtg | gcctgttagt | 840 |
| gtccccgtgc | acacaggcag | ctccaggggg | ctctggttgc | caacaaacag | catttgtaaa | 900 |
| tggcttatta | gccttcattt | atactgccta | acaattattt | gaaggaataa | attgatgtca | 960 |
| atggctcgt | | | | | | 969 |

<210> 7487
 <211> 1984
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1355)...(733)
 <223> similar to gi4587775 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7487

| | | | | | | |
|-------------|-------------|-------------|------------|------------|------------|------|
| aaagtgtgag | attcaggcac | gagccaccgc | accctgcctg | gaaaagtact | tcttaaaggg | 60 |
| aaggcaagaa | aagggtgaaa | aaaagaaaaa | gattctccag | tggtgaaaat | ttgggtataa | 120 |
| gcaccaagta | ggaggacacg | tgtggggaaa | ggatcagggg | aaagggctct | caaagccagc | 180 |
| cattcagact | tcacccagtg | agggcccagt | gcagccccc | aactgatgtt | tcagctccca | 240 |
| gcctacctga | acctgcccag | gggccagggg | tggccagcac | agcatcccca | ggggactcta | 300 |
| gtgccaaaat | ggccatacag | tcattgccc | tccacatcca | tcattcccaa | caaagaactc | 360 |
| cagccccaaa | gtgctcgtaa | caaagaaatt | ttaatgcata | aggcacagt | agaggctgga | 420 |
| atcattaagc | atcctcaaac | acaaagggcc | cagcaggctg | agcaaaagaa | cagagacact | 480 |
| ctccctcact | accactgggc | gccctggaca | gtcccctgag | gagtaggggg | catccagctc | 540 |
| ttggcacggt | gcctgggggc | aggaagtgc | tagcatgatc | ccagctacc | ctctgtggga | 600 |
| atactgccac | caagaggcag | ctctttggtc | tggataaagt | cagtgcacaa | gtccaggggt | 660 |
| caagctctgg | aggaatgagg | gtggcacagt | gccctagggc | tgggcagtct | ctgaacagtc | 720 |
| tcctcagccc | tcattgggcaa | catgtgggct | tcttcttgct | ggcagttagg | tagaggttgc | 780 |
| tgatcatcact | gttgatgcgg | acaacatccc | caatgcgtcg | agcccccgat | ttctccagct | 840 |
| cagccagcac | attggcctca | aaggtcagtg | ctgccacacg | gaagaagaat | tctcggacat | 900 |
| tctcaccagt | gagagatgag | actgcccagt | actcagcctt | catctcctgg | gccacctgga | 960 |
| gggctctttt | ctccatcagc | gcatactgag | caggggtact | cagatccttc | ttggaacct | 1020 |
| caaggaagag | aagcacactg | gaaggggtcat | tctccttcag | ggcatcggcc | agccactgct | 1080 |
| tggtatgttc | cagagatgcc | acatcattca | ggttgaagac | aatgatgatg | gcttgagctc | 1140 |
| ctctatagta | ggttgatgca | atgcatttga | acctctcctg | cccagcggt | tcccaaagct | 1200 |
| gcaaaactgaa | gggaatgcc | agcacctcaa | atcgttccat | ctcgaagtcc | actccaatgg | 1260 |
| tggccttgta | attcttatca | aaggtgtctt | tgcagaacct | attaatgagg | caagtcttcc | 1320 |
| ccaccgacag | gtccccccacc | acaatgacct | tggagatctt | aatcccacg | gtgcctgtcc | 1380 |
| ggtgctcctg | gcaggcgag | gtgacgcggg | ggtggaagtc | tttgtgccc | tgcaaagcgg | 1440 |
| cctccttcct | caggcactgg | ggcagctccg | ccaggacgcg | atccctccgc | acgggtgcca | 1500 |
| gaatgttcat | cctgcctgcg | gccttgacag | gcgccccagc | cgaattggtg | atggggaatc | 1560 |
| ggagactgct | gcgcagcatc | tggcgatgcc | aggaaccagc | agggagggga | aagggggaga | 1620 |
| gaagggggccc | aaggagaggg | ggcgcttccc | tcctcaactc | caggcctggg | aggtgactca | 1680 |
| tagagtctgc | cccctctcgc | ccttctgccc | tgggaggtcg | ggggtgagga | tggtggaggg | 1740 |
| gaagcgtgcg | aaggggggtgc | caggggttaga | atgaggtgcc | caccgaggag | agagagctct | 1800 |
| gaagtctggc | gtcttttcc | tcaaggctgc | tgtgtacatt | gtgaggcggg | agggctgaag | 1860 |
| atcaagttcc | ctcgaggggag | gttaaagaat | ggctaattgg | acccggatac | tctgctcttc | 1920 |
| ggggagcgct | ccgctctggg | aggacgggac | tcccctctgg | catggcggtt | cattgctctg | 1980 |
| gccc | | | | | | 1984 |


```

<210> 7488
<211> 1286
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (213)...(1055)
<223> similar to gi457372 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7488
acactcgaac ctcatacgcc agcttggcac gaggcgcgat gtggagtggc cgtaagctgg      60
gctcctccgg gggttggttt ttaagagtgc tggggcctgg aggctgtaat acaaaagctg     120
cgcgctccctt aatttcctcg gcggtttatg tgaagaacca gctcagtggg actctacaga     180
ttaaaccagg ggttttcaat gaatacagaa ccatatgggtt caaatcctac aggacgatct     240
tttcctgttt gaacagaata aagagtttca ggtacccttg ggcgagactg tacagtactt     300
cccaaaccac tgtcgacagc ggtgaggtaa aaaccttctt ggccctggct cacaaatggg     360
gggatgaaca aggagtatat gcacctcttc attccatgaa tgacctgagg gtgccattta     420
ttagggacaa tcttctgaaa acaattccta atcaccagcc aggaaaacct ttgttgggga     480
tgaagattct tgacgttggc tgtggtgggt ggctgttaac tgaacctcta gggcggttg      540
gggcttcagt tattggaatc gacctgtgg atgagaacat taaaacagca caatgccata     600
aatcatttga tccagtcctg gataagagaa tagagtacag agtgtgttcc ctggaagaga     660
ttgtggaaga gactgcagaa acatttgatg ctggtgtagc ttctgaagtt gtagaacatg     720
tgattgatct agaaacattt ttacagtgtc gctgtcaagt gttaaaacct ggtgggttctt     780
tattcattac tacaatcaac aaaacacaac tttcctatgc cttgggaatt gtttttccag     840
agcaaattgc aggtattgta ccaaagggtta ctcatacatg ggagaagttt gtttcacctg     900
aaacactaga gagcattctg gaatcaaatg gtctgtcagt tcaaacagtg gtaggaatgc     960
tctataaccc cttctcaggt tactggcatt ggagtgaaaa taccagcctt aactatgcag    1020
ctcatgctgt gaaatccagg gtccaggaac acccagccct ctgctgagtt tgttttaaag    1080
ggagaaacag aagagctcca agctaattgcc tgcaccaatc cagctgtgca tgaaaagctg    1140
aagaaatgaa ttgtttctga gaactatagt aatatggctt ggatatctga tgttttcaaa    1200
tacaagaaat gtacaattta tcctttgaga gagaatcatg aagaaaagaa ggtcaataaa    1260
aagggtctaaa accttgaaaa aaaaaa                                1286

```

```

<210> 7489
<211> 1987
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (756)...(569)
<223> similar to gil70454 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7489

```

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|------------|------|
| gcggccgcag | cccacccccca | ctgctgttcg | aatcaagcag | gaaccctgg | actaggccct | 60 |
| gcttcagtgc | ccacctgggc | ccccccaggg | acctggaac | agtgtgggg | agttctgcct | 120 |
| gtgtatactt | ggccgtgggc | atgagaccga | gggtgaggct | ggaggggtcca | aagctggccc | 180 |
| agcgagcacc | aggggtcccag | gtgtcatggc | aacagaacgt | gggatgctgg | aggcatgcct | 240 |
| gcagaaggac | tgttgatgcg | acccaaagat | acagcgggtg | gatctctgct | gccagctctc | 300 |
| ccagccccctc | agcttcgcag | cctggcgcag | catcctctga | ggccccgggg | cctgttgggg | 360 |
| cggggttgga | agagccgtct | gcagctactt | cagaggagct | gtttatccct | ctccacgcgg | 420 |
| ggcagactct | ggcgggtctc | ctagcgtccg | agagatggct | tattttctac | agtatttaaa | 480 |
| atggatgcag | ccctaactgc | aaaagtcaga | gaggctgaca | aggaccaatg | cttctttatc | 540 |
| tggtgctcag | ttctcagtca | gacgtgcagc | atggctgcag | ggtggaccag | ctgcctggca | 600 |
| ttcaggccca | gatgcctgca | gggctggggc | tctcgggaca | gatgcaggga | tgtgtgctgc | 660 |
| agggctgctg | ggaggagagt | gggtgggggc | tgagggtgta | gtgattctgt | aaccacctga | 720 |
| gaccttcacg | tttgctgccg | ttgggggctc | aggctgcact | ccccgggtca | cctgacctgc | 780 |
| tgcccagggg | cttcagatcc | tgtctgtgtg | gactggcacc | tgggctgctg | gagaagtctc | 840 |
| ctcccgttcg | gaccagcctc | agggctgcac | gttacctcag | gaatgggccc | caccatgaag | 900 |
| gggcccctct | gtcagcagcg | tcttctaggt | ccccagctca | gggagccatc | cccagctcca | 960 |
| gttttctcat | gcgaatatgc | acagttttaa | ttcacgttgt | tacactagcc | tgccgatgag | 1020 |
| accagacac | aggcagacct | ggcgtctctg | acccctgatt | ccagtgagga | ctggccctga | 1080 |
| ggagtccttg | cagacctgct | gcctgccccca | cgacaggccc | aaagatggac | ccccctggc | 1140 |
| cttgtgacag | ctccccaagt | gttctccggt | ggagaaactg | cagaggactg | gtgggcgggg | 1200 |
| ctccccagcc | atcaccatcc | tgtgtacaat | ggctgtagac | ttgtatatgg | ctcctttaat | 1260 |
| attgtaaaga | tgctgatgta | caattgtcgt | gcatttgtgt | gaacacattg | cgttcccagt | 1320 |
| ccatgccata | aatgatgctc | tcaagcaaaa | gactggaggc | tctgtcctgt | gcagaagcag | 1380 |
| cagccagact | cccgcattcg | atgttgtgca | gggaggtttg | ggggcggaac | ggattcctcc | 1440 |
| cttgatcct | tcagttccca | tcgaggaata | acccgcagca | gtgggtggagg | aaggtcagtg | 1500 |
| gctgggtcct | gagcttggtg | ttatttattg | catttggttg | cctgtcccct | cagggcagca | 1560 |
| cagattctga | attctgattc | acagtcctta | gccagatggg | aactgggaaa | gagacagaag | 1620 |
| gcgtctgggt | gcttttgaa | cctgtctcaa | atgtttggga | ttttctctct | cactattctt | 1680 |
| tgggtgggga | tgatgtcctc | tttagacccc | cacgtaatgg | tatgagaagg | tggcaggcag | 1740 |
| tggctcagcc | agccaggggg | gcaccaagtc | atgcagccag | cgtgagacct | gcagttcacc | 1800 |
| taagcacaga | acgagatctc | agtatgcctc | catgtaaac | gattcacata | ggcctccaat | 1860 |
| ttcaatgaga | ccttttgcat | ttgttctcag | agcccttatg | ttctaacc | tgagaacat | 1920 |
| ttacctgcc | ctctaagggc | caccagcttc | gacctgcctc | aggggacagc | agcacaggac | 1980 |
| cagtggc | | | | | | 1987 |

<210> 7490

<211> 1931

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (76)...(714)

<223> similar to gi5441952 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7490

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttcgtcgca | gctggaacct | ccggctgtca | gtgcgcttac | agttcctaac | cccgacctg | 60 |
| cgcgcagccc | gcactatggc | agccccgccg | cagctaaggg | ctctgctcgt | agtcgtcaac | 120 |
| gcactgctgc | gcaagcgccg | ctaccacgct | gcgttggccg | tgcttaaggg | cttcgggaac | 180 |

| | | | | | | |
|-------------|------------|------------|-------------|-------------|-------------|------|
| ggggctgtct | atggagccaa | aatccggggc | cctcacgcgc | tggatcatgac | ctttctcttc | 240 |
| cggaaatggca | gcctccagga | gaagctgtgg | gccatactgc | aggccacata | tatccactcc | 300 |
| tggaaacctgg | cacggtttgt | gttcacctac | aaggggtctcc | gtgccctgca | gtccctacata | 360 |
| caaggcaaga | cctacccagc | acacgcattc | ctggcggcct | tccctggggg | tatcctggtg | 420 |
| tttgagaaaa | acaataacat | caacagccag | atcaacatgt | acctgttgtc | acgcgtcctg | 480 |
| tttgccctga | gccgcctggc | tgtagagaag | ggctacatcc | ctgaaccag | gtgggacccg | 540 |
| ttcccgtgc | tactgcggg | gggtgtgggg | ctgggtgctgt | ggctctttga | gtatcaccca | 600 |
| tccacctgc | agccctcgct | gcagtcctcc | atgacctacc | tctatgagga | cagcaatgta | 660 |
| tggcacgaca | tctcagactt | cctcatctat | aacaagagcc | gtccctccaa | ttaatgcagc | 720 |
| cctgaggtgt | ctggctgtgg | ctcaagattt | ggcccatg | agaccctccc | aaaggatact | 780 |
| gccttctcaa | gatcataggc | ctcagactcc | aactgggtgt | atcccagggt | tctgtttgct | 840 |
| gaagtaaaaa | cactgatttt | aaaatccag | tgggtacctt | tgtatggtgg | cacaagtggc | 900 |
| cgaatcaggc | tgaggaatct | acggcttggg | tccagctgtg | cagctgactt | ctgtgagact | 960 |
| ggggccagcc | acactactct | ctaggcctca | ggggctcaagg | agctcagagg | agggccctga | 1020 |
| ggtctctttc | cgggtgggta | tgttcattcc | ttcaactgtt | ccttatgtca | cagagggtct | 1080 |
| cttgccctgg | gggcagtggg | ttgtaaatac | tttttaaaaa | acactaagtt | ccttatcctc | 1140 |
| agatgctgtt | ctactggaga | agttcctaga | ttcccactgt | cccaatagaa | acacgtgagc | 1200 |
| ccatatatgt | aattaaaatg | tttctagtag | ctgcattaca | aaaaagaagc | ctgggcactg | 1260 |
| tggctcactc | cctgtaatct | cagaactttg | ggaggtctga | ggcaggtgga | tgcacttgag | 1320 |
| ctcaggagct | tgagaccagc | ctgggcaaca | tggtgaaacc | cagtttctac | aaaaaatata | 1380 |
| aaaaattagc | cgggttccat | cacctgtggt | tccagctgag | gtgggaggat | cacttgagcc | 1440 |
| tatgaggtcg | aggctacagt | gagcaaagat | cacgccactg | cactccagcc | tgggcgacag | 1500 |
| tgagaccctg | tctcaccaa | gaaaaaaaaa | aggggagatt | aatcttctact | atatatttta | 1560 |
| acacaaatct | ctaaaagtta | tttcaacata | taattaacat | cattagatat | tttgtactct | 1620 |
| tttttgtatt | aagtattcaa | aattgggtgt | atattttgcc | accacattt | tcaggaccca | 1680 |
| gtagccacat | gtggctagt | gctgctgtga | cgggcaacac | agatatggaa | cacttgatc | 1740 |
| ctcacagatt | attctagtgg | acagtgcaga | tctagagcta | gaggacatgg | gtttgagtcc | 1800 |
| ccactcccc | actgtgtaac | cttggggaag | gttctggacc | tctcagagcc | tcaatttatc | 1860 |
| ataaaatgag | gataatcata | atgccgtggt | cctcactgga | cttgtgcaac | taccactgat | 1920 |
| gtgctactaa | t | | | | | 1931 |

<210> 7491

<211> 1401

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (97)...(718)

<223> similar to gi4886445 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7491

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| ggggcggtag | cgggccgggc | ctgggaacgt | ggctggttg | aggaggtaga | tcaccctttc | 60 |
| tgcgggggac | gatttcgtcg | gtggtaggct | gctaccatga | ggttgaatca | aaacaccttg | 120 |
| ctgctgggga | agaaggtggg | ccttgtaccc | tacacctcgg | agcatgtgcc | cagcaggtac | 180 |
| cacgagtggg | tgaaatcaga | ggagctgcag | cgtttgacag | cctcggagcc | gctgaccctg | 240 |
| gagcaggagt | atgccatgca | gtgcagctgg | caggaagatg | cagacaagtg | taccttcatt | 300 |
| gtgctggatg | ccgagaagtg | gcaggccag | ccaggcgcca | ccgaagagag | ctgcatggtg | 360 |
| ggagatgtga | acctcttcct | cacagatcta | gaagacctca | ccttggggga | gatcgaggtc | 420 |

| | | | | | | |
|-------------|------------|------------|------------|-------------|------------|------|
| atgattgcag | agcccagctg | caggggtaag | ggccttggca | ctgaggccgt | tctcgcgatg | 480 |
| ctgtcttacg | gagtgaccac | gctaggtctg | accaagtttg | aggctaaaat | tgggcaagga | 540 |
| aatgaaccaa | gcatccggat | gttccagaaa | cttcactttg | agcaggtggc | tacgagcagt | 600 |
| gtttttcagg | aggtgaccct | cagactgaca | gtgagtgagt | ccgagcatca | gtggcttctg | 660 |
| gagcagacca | gccacgtgga | agagaagcct | tacagagatg | ggtcggcaga | gccctgctga | 720 |
| tggctggggc | ttgtgggcag | ccactctgtg | tgagcagggg | gttgggcccc | tacacttcaa | 780 |
| agaccagagc | cctgcactgg | gagagtgtct | ctggcccagg | ctgggaatca | cctttcgagg | 840 |
| cccttcagac | tctggcgggg | cttgcctgtg | cctccctcca | gctagtgggtg | tggctgagca | 900 |
| gactccaggg | ccagggccag | ttcccttctc | ccctcccggc | caaaccacaga | cccagactct | 960 |
| aggaagctgg | aatggagggc | agggatccat | gggagatgtc | gggatgaagg | tgggagctgg | 1020 |
| aggtgcaggg | ggacctggaa | catggatggg | agtggacagg | cctttctcct | tagaggccag | 1080 |
| aggtgctgcc | ctggctggga | gtgaagctcc | aggcactacc | agctttcctg | attttcccgt | 1140 |
| ttggtccgtg | tgaagagcta | ccacgagccc | cagcctcaca | gtgtccactc | aagggcagct | 1200 |
| tggctctctt | gtcctgcaga | ggcaggctgg | tgtgacctg | ggaacttgac | ccgggaacaa | 1260 |
| caggtgggtcc | agagtgagtg | tggcctggcc | cctcaacctc | gtgtccgtcc | tcctctctcc | 1320 |
| tggagccagt | cttgagttta | aaggcattag | tgttagatac | agctccttgt | ggctggaaaa | 1380 |
| cacccctctg | ctgataaagc | t | | | | 1401 |

<210> 7492

<211> 3032

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (192)...(1109)

<223> similar to gi5531815 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7492

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| gcgccgcgcg | ggtctggcgg | gaccggtttg | gaagactttg | ccggcctgca | gattggcctt | 60 |
| aagagaagga | cggagccaca | tactgctgac | ggcccagaac | tggcagagag | aaggttgccca | 120 |
| tggctgctgt | tgacagtttc | tacctcttgt | acagggaaat | cgccaggtct | tgcaattgct | 180 |
| atatggaagc | tctagctttg | gttggagcct | ggatatacgg | cagaaaaagc | atcactgtca | 240 |
| tctgtgactt | ttacagcctg | atcaggctgc | attttatccc | ccgcctgggg | agcagagcag | 300 |
| acttgatcaa | gcagtatgga | agatgggccc | ttgtcagcgg | tgcaacagat | gggattggaa | 360 |
| aagcctacgc | tgaagagtta | gcaagccgag | gtctcaatat | aatcctgatt | agtcggaacg | 420 |
| aggagaagtt | gcaggttggt | gctaaagaca | tagccgacac | gtacaaagtg | gaaactgata | 480 |
| ttatagttgc | ggacttcagc | agcggctcgt | agatctacct | tccaattcga | gaagccctga | 540 |
| aggacaaaga | cgttggcatc | ttggtaaata | acgtgggtgt | gttttatccc | taccgcagct | 600 |
| atctactca | gctgtccgag | gacaagctct | gggacatcat | aaatgtgaac | attgccgcgcg | 660 |
| ctagtttgat | ggtccatggt | gtgttaccgg | gaatggtgga | gagaaagaaa | ggtgccatcg | 720 |
| tcacgatctc | ttctggctcc | tgctgcaaac | ccactcctca | gctggctgca | ttttctgctt | 780 |
| ctaaggctta | tttagaccac | ttcagcagag | ccttgcaata | tgaatatgcc | tctaaaggaa | 840 |
| tctttgtaca | gagttaatc | cctttctatg | tagccaccag | catgacagca | cccagcaact | 900 |
| ttctgcacag | gtgctcgtgg | ttggtgcctt | cgccaaaagt | ctatgcacat | catgctgttt | 960 |
| ctactcttgg | gatttccaaa | aggaccacag | gatattgggtc | ccattctatt | cagtttcttt | 1020 |
| ttgcacagta | tatgcctgaa | tggctctggg | tgtggggagc | aaatattctc | aaccgttcac | 1080 |
| tacgtaagga | agccttatcc | tgcacagcct | gagctctggat | ggccacttga | gaagttttgc | 1140 |
| caactcctgg | gaacctcgat | attctgacat | ttggaaaaac | acatttaatt | tatctcctgt | 1200 |

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|-------------|------|
| gtttcattgc | tgattattca | gcatactggt | gattcgatcat | ttgcaaaaaca | cacataatac | 1260 |
| cgtcagagtg | ctgtgaaaaa | ccttaagggg | gtgtggatgg | cacaggatca | ataatgctg | 1320 |
| aggctgattg | acgacatcta | catttcagtg | ctttttccct | aagctgtttg | aaagttacgc | 1380 |
| ttttctgttg | ttctagagcc | acagcagtc | aattattgaaa | tataatatga | ttgttcaggt | 1440 |
| cttataat | cagatgttgt | tttttaaggg | aaattgacca | tttcactaga | ggagttgtgc | 1500 |
| tgggttttaa | atgtgcatca | agaaagacta | ctgaaaagta | ttattttgta | actaagattg | 1560 |
| ctgggtactat | taggaaaaat | ctgtgtgtat | tgtatagctc | tagctgtttg | actatctgta | 1620 |
| atgaaaatgc | tgcacttcaa | ctgggtatttc | attagagaac | cgtgtgtgtg | cgtgtgtgtg | 1680 |
| gtgcctttga | gcaactttat | ttatgggtac | catattttta | aaaagatttt | ttgtcaggat | 1740 |
| gacttaacat | ggactcttat | agggtattaa | aacaatctag | attattcctt | ttcatcctaa | 1800 |
| ataagcctac | caaatttcat | gctgttggtt | tgccatgaat | gatattactt | cctacattat | 1860 |
| atttgtgttt | tttcaaactc | gctatggaat | gaacttattc | ctagatttgg | atatgtaaga | 1920 |
| gaaacctgca | gtcatctttt | gatttataag | gcaattcttg | tggtataaata | gtgatttctc | 1980 |
| agcctctgac | ccattttata | actgaaat | agccctttag | agcttggtat | atctgggttt | 2040 |
| cctacgtttt | tctatgtaat | attattccat | tccagtagca | ttattgatag | aaatagtaag | 2100 |
| tatttatgga | atagtaaaat | atggacaaat | tacgtgtgtg | acatatctgt | caaaataagt | 2160 |
| tagaagctta | ttcttggttt | gtgtaatgaa | tttatgtatt | gtagtgaata | cctttactgg | 2220 |
| tgtgaagata | attatgcaca | aaccctcaca | atacgcgtta | acattgaaac | ctgtgaaatg | 2280 |
| tccttaggtt | gggtcatata | aagccaacca | tttttgagga | ccatgtacct | agtgccttga | 2340 |
| aaactgtaag | tcactatatg | aatatgacaa | tatgtgcaca | tttaaaattc | agagctcggc | 2400 |
| attgtgatac | tgatgcagaa | gctagtagat | tggttaaaaag | tctggacttc | tgtggcattt | 2460 |
| ttttcgtgac | gtgataatct | atcataagca | gacctaaagca | cagttttatg | aacacaattt | 2520 |
| tgcccatgac | attgcctaca | ggatttccag | atgtgacttg | cactcagaag | atcagtggtc | 2580 |
| aacttcagaa | gttcttccac | gcttagatca | tgtcttcaga | acttagatgt | gaaaatctac | 2640 |
| acactgggag | atgctgtgag | ccccaagggt | ttgatggagt | ttgcttgga | tcctcttgac | 2700 |
| ttcatgccac | attgacgtga | actttgatgt | ataataagca | gcagcaactt | catgtgaaaa | 2760 |
| tatggtcagg | tagttatag | taaggttacg | tggtccagta | atgtcttaga | ttgataaatt | 2820 |
| aggtagtgaa | tccatcagtg | ttacgtgatg | agaatagggtg | aacacacctt | gtcagtgatg | 2880 |
| atgtaaac | ctctccttg | caggacatgg | gcaaacatgc | tgattgggtgc | aaatgtgggtg | 2940 |
| ccgagctgtc | catagctgca | gtgaaagatg | aagagcaaga | ccttctctag | gttttctagc | 3000 |
| tttcattaaa | tgtatttttt | tccccagaaa | aa | | | 3032 |

<210> 7493

<211> 1431

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1189)...(661)

<223> similar to gi2226414 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7493

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|-----|
| tttttttttt | ttccatatag | taaaatgcct | ttattttaaaa | aagaagaggt | acagtacatt | 60 |
| ataattccaa | ggaaattttc | gtatttttaa | aatgccaat | tttggctaaa | aactcaaaag | 120 |
| atttcattta | atacttgaat | aacaaggaaa | ttcacaaata | aggctgaaat | actgttcata | 180 |
| ttattgtgta | tttctaagca | tgttatttta | agcttgtgta | ttttaaacca | tggttacaga | 240 |
| attgtatagg | aatatattga | aggcataacc | ttatattttat | tggaattttg | gtttaattgt | 300 |
| ttagaatttc | aaaatagtat | tgggatgtga | aacaggatga | ttatcactct | gataacaaca | 360 |

| | | | | | | |
|-------------|-------------|------------|------------|------------|-------------|------|
| agactgaact | gagtccttca | ctgtattttt | ctaaagaact | cacttctagt | gagtaagtgt | 420 |
| tcaataacat | aaagttagga | aatctttatg | ttattaaaa | ttgaattttt | ctttcactgt | 480 |
| atcccaatat | tttaaataatg | cgcttcagga | catttccagt | taaaataaaa | gtttaaataa | 540 |
| tatcctcact | acattaaaaa | taagatcttt | aagtaaactg | atttccaaat | catattgtca | 600 |
| ttgtgcactg | aagttaattc | tctgaagact | aaattatatg | caattgaggt | tctgtttccc | 660 |
| ttctaaacgt | tcctttacta | atttttccaa | agcgaaaaga | tgctcatctg | cttcttctgg | 720 |
| cacaagggttc | ctaatagaat | ttgcaagttc | aaaaagatat | tctgtatttc | ttccacttgg | 780 |
| accagctgca | ttaaaaaattt | gttcagcaat | gtcttccaga | ggtgcaggac | caagataatc | 840 |
| aggattatca | catgttccaa | tatatagcaa | tacactgaat | ggttttgttg | tgggatcttt | 900 |
| tggataaaaa | atgactgttg | tggttctgta | gcctcctttt | tctctgaagt | caaggatatgc | 960 |
| ttttacttct | tcttcctttc | ctactggcaa | tctgtaagca | acaccccata | cacatccgcg | 1020 |
| aggatcttca | acaagagtca | caactcttcc | aggcttgccg | gggaccccg | ggtgggtccgt | 1080 |
| gctgccctgc | cagaagcgcc | tgctgtagtt | ggtgatgtat | ccgaccagct | tgtcctgata | 1140 |
| ggggaaatcc | accttccaga | tcagggaccc | gtaacaaaa | accacatct | tctcgcggct | 1200 |
| cctctgcccc | agtggccgtg | aaccctagct | gtcgcgcgcg | cgcgggggac | tgaagcctcc | 1260 |
| ggtaagcgag | taaccggccg | cgcggggcgc | aggcgcgatg | gccacttggg | gcgcaaagcg | 1320 |
| cactgggagt | ttagatccag | aaagattttc | cgagcggatc | tcagtcagct | ttattttatt | 1380 |
| tccttgatta | gggtgtcaag | aggcattgac | cttcggtgta | gtaagcaatg | g | 1431 |

<210> 7494

<211> 1702

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (957)...(392)

<223> similar to gi733605 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7494

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| tttttttttt | ttatagctga | tcaagaattt | atctttattc | tgattatgat | tcttcaaaga | 60 |
| gcattagttg | tttaaattta | atttaagcca | tgcttaaate | gaatacatat | aaaatatgat | 120 |
| tacttatatt | ccttttgacc | aaagagctga | aaattttgtg | ttccagttca | tcttactcat | 180 |
| gttattctga | tgcgaaacac | tctaaatgca | aattgttttg | aaagtaaata | ggccaagtgg | 240 |
| cctaccctgc | cctttttata | gtataaattc | tgtgatactg | ccttcttttc | agtatatgct | 300 |
| cctctgtggg | cctttggcct | acacggagac | catcagctac | aacgcatggc | agtcagcttc | 360 |
| agagtccctg | ctccagtgtg | catctcgttt | ctcagccaca | agtttgatga | attgagagtg | 420 |
| actggcataa | agcttcagtt | tatcattgat | gtccacccat | ttcacttttc | cagcatcatc | 480 |
| tcagcttct | agcataagat | tatccattat | ctcacctgtt | tcgtcatggg | agttcacagc | 540 |
| ttctgtctcc | atccatgcat | tatcagtgtt | tcgaggatca | tcaacatatc | ccttatatat | 600 |
| cactaggtgg | tcttggctga | agagtttgtg | caacttttcc | tctattttct | tcttctcagc | 660 |
| actggttttc | tgtaaggagt | tgagagcttc | ctcaccaa | tctcttttca | gtgtggcact | 720 |
| aatcttctct | cctggatcca | ccatcccccc | tgggattgcc | cattctccac | agtctttcct | 780 |
| ttttattgca | acaaattgta | agatatgctt | cccagaaaca | ggatgcatga | ttttatttcc | 840 |
| actgctatcc | cttttccatc | tggttataat | gggatctgca | gcgtgatttg | ggccccatcg | 900 |
| ccccaaaagc | ccccggccca | ccagtccagt | ccgtcctgca | ggattttctg | gtcttccatt | 960 |
| ttcaatctca | tacaggccat | tcttgctctt | tctctcaaca | tgcccatcct | tttcgttaaa | 1020 |
| cttggggagaa | aaattacttt | cactgatctg | aggatctgcc | cacctgggtc | cagccaagac | 1080 |
| agagactgca | gtgtattcca | caggcttata | gtcttgccac | tcaacaagcc | agccactttt | 1140 |

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|------|
| ctcattagga | acctggcttc | gttcaacttt | tgaacctggg | taaggagacg | tccgagcctt | 1200 |
| attgtgagaa | ttttcttttg | aaccattaga | accagacatg | acgttggtat | taagatgaaa | 1260 |
| ccaagaagat | gaaaacgagt | ttctgaacgc | ctggatgccg | cggcagcgcg | aggacctgat | 1320 |
| agtcacagag | gccaaaggcca | gagagagaga | caccgcggct | aaagcctttc | ccaggaggcg | 1380 |
| tcccgccatg | agcgccccga | gggcggcttt | gcgatgctag | gtcgctctta | gttggtgcct | 1440 |
| ccgcctcccc | acaccccaca | gctccgagtc | ccggccgcgg | gtatctgatg | ggcactagga | 1500 |
| cctgtctgcc | gttgggttcc | cgaacgggag | tagctgtgcc | tatctataaa | tcacagatca | 1560 |
| agagccctcc | cacgataaga | gtccaccgct | ttccccagtg | catcgagaaa | aatccagacc | 1620 |
| agcacgtgac | gccgaagcct | ccagcgccag | ctgcctgggg | aaaccgcggc | cacgaacctc | 1680 |
| gtaactttct | ctcaggaaat | cg | | | | 1702 |

<210> 7495

<211> 3018

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2845)...(1723)

<223> similar to gi37265 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7495

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| tttttttttt | ttaatccagt | gattcccaga | tttatttggg | tatgaccatc | tatcccccca | 60 |
| gtagtcctca | ccaatattct | gtggaacaaa | tctgtttatt | tgcagaacac | aattttgaaa | 120 |
| agggttattc | tgaatgtcta | tgaagtgttt | taaatatggg | acattttaat | gaggttatat | 180 |
| acaaaaatag | cctaatacacc | aacaatgaca | gaaacatcca | ggatacaact | tgtgaaagta | 240 |
| aaaattttta | ttttgattga | tttctcaatg | tatagttcag | tataatgcc | gtttttaatg | 300 |
| gcaaaaattt | ggttccactg | aaactccata | atgctacaga | gagctactac | ttttccagg | 360 |
| aagtaggtta | acagctagaa | agaaaaagga | caatttccta | gcagcatggc | aacttaaaact | 420 |
| gcagatctaa | taggtctgca | actttttacac | taaaaatggc | acaaacagct | ggtgacacaa | 480 |
| gtgagaaatg | gggaacaaga | tgtgaacact | gaaaagaaca | atatatatac | tgtaaatatg | 540 |
| atgaataaac | caaatgtagc | tataagaatc | ttaaaggatg | attatagaaa | aggaaccaa | 600 |
| atattttcct | caaatgcttt | ttagagcctt | tctgtagcga | tacaaatata | tatatatata | 660 |
| tttatccaaa | aatatgtttt | atacagataa | atgtttctca | attaaagatg | ggaccaaagc | 720 |
| tatagggtata | acataaagca | cattgtcttt | tgtaaagacta | tttatccacc | tgaattttca | 780 |
| atttctttta | agttagtga | ttaaagtgtt | tccaaatata | attacctgtc | agtcctttta | 840 |
| tagatataaa | tcaagtaggc | attatgtttt | aaaagtgttt | gcagggttaa | cttttctaag | 900 |
| atgctgtgca | tattaaactt | attatgagcc | ccattaagaa | tcattattaa | taaacatatc | 960 |
| aaaaagggct | atatgtcaga | ttttcctgtt | catagtaa | attttctgat | ttccagttta | 1020 |
| caagtattga | aaatgcacaa | gaaagatgtt | acttcacaag | tacttttaag | aatatacttt | 1080 |
| gatttaatat | gtatgttagt | aaaactccac | gtgttgtaac | cattattatg | tttttgtttt | 1140 |
| taaaatgggg | atgtaatact | aataaccact | acctataaaa | taaagcacac | aattgttccg | 1200 |
| gtgattttac | aaatcttttt | ttccagggtg | aaagtctaca | aaaattccaa | aaaattagag | 1260 |
| aacactgaaa | acataattaaa | gtttgacatc | caactttata | gtattttccat | gttaccctga | 1320 |
| aagataactt | aaaaaatatg | gccttcttag | aacaggccac | tctgctatta | taaaaaattg | 1380 |
| gtgacagcaa | gaaattgtat | cactgatatg | tggaaattttt | gtaaatagtt | ttctctccaa | 1440 |
| atcattagaa | aaatgttcaa | aaataaaaaac | aaaataaaaat | atgggtggtgg | tcctaaact | 1500 |
| attttgaagg | caggtagctt | agtctaagct | aaaatattttt | tttcattcat | agcaataatc | 1560 |
| ctccccctcaa | atgcccttta | aaaaaatgca | tgaaccgta | caatagcaaa | aatcaaagag | 1620 |

| | | | | | | |
|-------------|------------|-------------|-------------|------------|------------|------|
| cacagactgt | attttcaaga | acagaaaaat | ctctaattgct | gaaagatata | gtagaaagca | 1680 |
| gatttctttg | gggacattaa | tcaattagtt | tataattcat | tatgaagatt | tctctttttt | 1740 |
| attccgggga | gagtcgtcta | catttgaagt | taatgttcca | ttcacaccat | tttctgttcc | 1800 |
| tttttttagaa | gatctgcctt | tagttactgt | tggtttcttc | ttcacagctg | gtgcctgaaa | 1860 |
| agcagaatgt | tccctccacc | ttcgaagctg | aaaattaatg | aacttccaca | tcataaatgc | 1920 |
| ctgagtaacg | caaatggatg | ccagaacagc | gattctaaca | gctaacacat | tgaagtttcc | 1980 |
| agtactgaaa | tccagcttct | gattttctgc | tcttgcaagg | ccaaaaccaa | cagtcagtac | 2040 |
| tgaaagaatt | aaagtcagaa | gtcttcccaa | aacaaaaaga | actgccaca | gagaaaatcc | 2100 |
| tttctgatac | ttttcattgc | taaaaataaaa | caggcgaggaa | atgtggaaaa | gaaattcaac | 2160 |
| aaaataatgt | agcaccagaa | gaacaagtcc | tagatgattc | aagttcaaaa | ggtaagctcc | 2220 |
| agcaatgtgg | aagaggtaaa | gaccaatgta | gacaagctga | cgaggaatat | cttctttttt | 2280 |
| ggttttctgg | aagtagagtt | caggaaaagc | atgaagccag | taagccagct | gtgatatgta | 2340 |
| gaaaaacttc | atttgaaatg | tcatcagggt | atggggataa | gccctccata | agatagttgg | 2400 |
| gtctgagatg | tagttttcag | agatgagaat | gaatgtgccc | caaacacagg | caaaaaggta | 2460 |
| gaacgcacta | agctgaccag | attcattaaa | cttgctgtgt | tttgttttgg | agaagtgcac | 2520 |
| tcgcctgtta | attttatcca | acataactc | ttgaattacg | gcatgaataa | ttatcgccac | 2580 |
| tagcatgtag | aagaaaacag | tagccaaatc | tttgatgcca | tagtaataaa | gggacactga | 2640 |
| ttcagtagct | tgttcttctg | ttgctgggag | ggtgacattg | tactgaagag | taacaaaaat | 2700 |
| gatagaagct | tttgccgtta | tctcaaacat | gagccccagc | aggaagacca | tcgccacaca | 2760 |
| ggagacgatg | tccgcgtgat | tctgcaggac | gaattcgtgg | ctcagcactg | gggggctctt | 2820 |
| ggtgcttttc | ttgcgaatcg | ccatggtggg | gccgcgcgcc | gcgcctgcag | gtgctccgcc | 2880 |
| ccggttctgc | tcttcccagc | tgctcaccga | ctcgccgcgc | cctcccgcgc | gctgctcctc | 2940 |
| acggccccgc | tgcagccgct | cgctggggct | tcacttccca | ttccacagcc | agtacgcagc | 3000 |
| cgccgggccc | cccggggg | | | | | 3018 |

<210> 7496

<211> 812

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (581)...(180)

<223> similar to gi23398 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7496

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| aggataaagg | gctgatacag | gactcggctc | cgggggcagg | gcgaggaatg | gaagttggag | 120 |
| tacgtgggat | acaggtcatg | ggcagagctc | ctggcctcag | tgatgcctcc | tgatctatcc | 180 |
| ataggcctgg | aagatcagca | ctgggatgac | gatgagcaga | atggtcatga | ggatgccag | 240 |
| aatcagggcc | cagatgttca | ggcacttggc | ggtggaggca | taggcctggg | ccccggtcac | 300 |
| gtcgccaacc | atcttcctgt | ccctagactt | cacggagtag | gcgaatgcta | tgaagcccag | 360 |
| gcagcagggg | ttcatgaaga | gggtgttgaa | cagggaccag | acgacatggt | cgggcacgga | 420 |
| ggtctcgctg | cggatgtgga | tcacgggtgga | cgtcggggga | gcagggttgt | ggggcgcccc | 480 |
| cagcacagcc | acctcgctgt | cctccttgag | catctcatag | ttggggggct | ggccgctggt | 540 |
| gacaggagag | aagaaggttt | ggacagtgtg | attcatggtg | tccagcgaag | accagcggcg | 600 |
| gtcgggttac | tgggatggtt | ctcagtgagc | cctccctttc | cccagtagtt | tcggtttctc | 660 |
| aacagtttcc | ttttcctggc | atttgtcaaa | tcgggatttg | gccgggccag | atgagggcgg | 720 |
| aacaaattcc | tgaggatcaa | attactttaa | gatagagagg | aaggaggggc | tgagggctaa | 780 |

gaggggcctc ctctctagag cccaagggag ca

812

<210> 7497

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (388)...(728)

<223> similar to gi3878329 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7497

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|-----|
| agtgggaggt | gcactttact | tcttgactcc | tttccttttt | ccagtgggta | tcgcggcgcc | 60 |
| caccggcctc | tgatctctga | gtcttctcca | acccacagac | gttttttgtt | gctctgggtc | 120 |
| caggaccttc | tccacaacta | ggccattttc | cctgccaggt | gtcctttttg | acctcttgac | 180 |
| ctctgactca | aagggcctgc | tccccctcat | gtcttcggcc | tggagaagag | ccagctcctg | 240 |
| aaggaggcct | ttgataaggc | cggcccgggc | cccaagggca | gagaagatgt | gaagaggctt | 300 |
| ctgaaactac | acaaggaccg | gttccgaggt | gacctgcggt | ggatcctctt | ctgtgcagac | 360 |
| ctgccgtccc | tcatccaaga | aggccctcaa | tgccggctgg | tggccttggt | gatggcaggt | 420 |
| actctcctgt | cgccccccag | tggcgctccc | ctggagagac | tcatacgggt | ggccacggaa | 480 |
| agaggctaca | cggcccaggg | agagatgttc | tcagtggccg | atatgggcag | gctggcccag | 540 |
| gaggtgctgg | gctgccaggc | caagctgctc | tctggtggcc | tgggcgggtc | caacagagac | 600 |
| ctcgtcctgc | agcacctggg | cactggacat | ccccgtctca | tccccacga | cagggacttc | 660 |
| aaccatgagc | cgtgtcagag | gaagggccac | aaggcacact | gggcgggtgag | tgcaggggtc | 720 |
| ctgctgggtg | ttcgggctgt | gcccagtcct | ggctacactg | | | 760 |

<210> 7498

<211> 2045

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1748)...(1083)

<223> similar to gi4704208 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7498

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tcgcgatcta | gaactagtcc | ggacgcgtgg | gtactgttag | aaatggctgt | tgtcaattat | 60 |
| gaggaaatcc | agtagttctc | tgggagagat | ctgaattagt | agcgttgaga | ggctattcct | 120 |
| gaaccccata | ttagaatcct | tcacaaacta | ctgcagtttg | ctgcttggtc | ctgaaataag | 180 |

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|------|
| agacaatgga | tgaaacccaaa | taattttcaa | cccttattgt | gaattttacat | ttcttttaaat | 240 |
| aatattttaat | caatgaatca | caaatattta | acctgtcatt | atgtcacccc | gctggacaat | 300 |
| aatggagaga | gtgggggtatc | actgctgtct | tataactttt | aacccacaaa | actttatttg | 360 |
| catccccatt | aaaggacaag | gccatgctcc | atttctgata | tgttcctggg | tcactcagaa | 420 |
| actgaggctt | tcagacagat | ctgtgcagtg | atgagaagga | ccactttttt | gaaatgtgga | 480 |
| gaaaaaaata | tgacatcttt | taatgtcagg | cttcttatct | gagcaaaaaa | acatgtatca | 540 |
| tcttttcttt | ttgtcagtg | gacagctgga | tgacaagaag | acctacaact | gagtagaagg | 600 |
| ctgtgacttc | tttcttctc | ctccatgcta | tcaacatgag | tctttaaatg | tcctgtaaga | 660 |
| ttctgagatt | ttaattttga | atacaacctc | ctaaaaagtg | aggtaaaaaa | ctatcttcaa | 720 |
| cttctatatt | gcaaatttgt | tgatactacc | aatgcacgtg | tttaactgag | atgcataaaa | 780 |
| gcctttctcc | tcaaaaggct | tatgttttaac | taaaattgtc | acttttaaaa | gaaagtttat | 840 |
| ggctaaaaatg | tatatcatca | ttatcagcag | gagtatgatt | gtgtctggga | gcccatttca | 900 |
| ctagatagcc | caaagtcttc | tatcaaattg | gtttataatg | gtttcttcta | ttctggtgat | 960 |
| taaacagtaa | gctcttgga | gtgatttgtt | tttattttta | cagtgatcac | ctatcaaact | 1020 |
| gttctgctgt | gttatagttc | ccaaactgga | gttcaacagt | cttagaaatt | cagtggctca | 1080 |
| agaactgcag | ttcttgagtc | caacctctctg | gaaaagtga | gtataaaact | ctggctccag | 1140 |
| ctgcttggtc | cggtacttgt | tgacaatgtc | ggtgattttc | tgtttccggc | ggacatgggg | 1200 |
| gggactgtag | gagtcacttt | ccagtctctt | tcttctacaa | atgttaatta | cagtctgcct | 1260 |
| caccagaaag | ccaagagctc | gcctgctgac | aatcatccca | tccacaagag | ggatgaccat | 1320 |
| attaaatttt | ccagtggctc | cttgaatttt | tatccggaat | aatccagtgt | ttaaaggggtg | 1380 |
| gatgaagatg | acaggaactt | ctttttcaag | agttgtagat | ctcagtgaag | tgctactatt | 1440 |
| tgtagtagtt | tccacaccag | tactgatctc | tgcatcagc | tctgagagg | gaaagttttc | 1500 |
| tatatcatca | tagcgttcca | cccagactac | agaaaactct | gtctcagggtc | caaggggagg | 1560 |
| aacagggcga | ccctgaggca | gcttctctcat | tctggaactg | ggactgagcc | tctgtgagga | 1620 |
| attaagattg | tctgtatgat | tggggaaaag | ctcaagtgtc | agggatggct | gtttcagaat | 1680 |
| tcctggcata | agatccatat | ttgaatcact | atcttggtcc | gagatgttac | tttccaatga | 1740 |
| atcagtttaag | gactccacag | gagaaggaac | cacaaaagca | atttctgtaa | gggcatcagc | 1800 |
| ataatacagc | accttcttct | gtccattgaa | aatgttagct | ccaatatctt | cagaggaaat | 1860 |
| cacttcttct | gtttgagatc | cttcaccatc | atcacacaa | ttaatagacc | aactggtaga | 1920 |
| aacatgccca | gtccaaccag | ggtgtctgcc | cacatctact | gaccagccaa | gggaaagcaa | 1980 |
| aaattctagg | aaatgtggct | gaacagttct | ggaagactcc | acattcttta | aaatctcttg | 2040 |
| gttcg | | | | | | 2045 |

<210> 7499

<211> 1827

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1741)...(457)

<223> similar to gi587146 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7499

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| ttaggcaaac | tttccaaccg | ccaggatatt | gcggttgttt | ttccccttat | ttcctttaaa | 60 |
| atTTTTTTTT | ttccctaaag | gttttaaatt | tcgtagggag | gttgggcca | tttgtcccc | 120 |
| ccccaaagga | agggttcttt | tccaaaattc | ccaggtaggt | ttttattctg | ctccctataa | 180 |
| ggaaaaaagt | tttgcgttg | aaggccgggt | taaatttggg | ccccctaagg | gttcttttaa | 240 |
| acgggcccc | ctttttttt | tttttcattt | ttagttttgt | taaaaaaaaa | ttctgacaaa | 300 |

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|------|
| tcagaaatgg | gggttcagga | gtggtggtga | tgcaaaagat | ggaagccatg | gggtgggggc | 360 |
| tgtcaggggt | gggggcagta | gtgtctcctt | cacccccacc | ctggtgtcct | ctcctgaagg | 420 |
| acagacggtc | acattccaaa | atgggcgagt | cttctaccgt | gtctgttcaa | tgtaggagga | 480 |
| gatgtctatc | tcatcaggca | gtcactaat | attgacctca | aagcgatcct | gcacatcatt | 540 |
| gaggatcttg | gcatcattct | catcggacac | aaatgtgata | gccaagccct | tggtgccaaa | 600 |
| ccggcctgct | ctggccaccc | gatgcaggta | ggtgtcagaa | tcctcaggca | tgtcataatt | 660 |
| aaaagcaatg | ttcacccgct | cgatgtccat | gcctcggcca | aatagggttg | tagccacaag | 720 |
| aattcgtcgt | tgaaaatctt | taaactgctg | ataccgagaa | agcctctcct | cctggggcat | 780 |
| cccacggtgg | atggcaatgg | ctgggaagtt | ctgctccact | agtagctggg | ccaaggcaat | 840 |
| gcaccgctgc | acagacttca | caaagatcac | cacctgggtg | aactcaagga | catccagaag | 900 |
| gtcaaagagc | ttccggttct | tctcgttgte | cttcagtttc | acgtagtact | gctgcaaccc | 960 |
| atgcagcgtc | aacttcgtct | catcatccac | gaagatctcc | attggatctt | gcatgaactt | 1020 |
| gcggcagact | ggacggatct | ctttgctcaa | ggtagcactg | aacatcatga | cctgcttctc | 1080 |
| gtgggggggtc | atgcgaaaaa | tttctgggac | atcccgacgc | atgtcgagct | gttcaagcat | 1140 |
| cttatcacat | tcatccaaaa | taaagtgttt | aatgtgtttg | aggttgaggg | tcttatttcg | 1200 |
| agccagggct | aggatacggc | ctggagtccc | cacgacgata | tgcgggcagt | tcttcttcag | 1260 |
| cacctcttca | tccttcttga | tagacagacc | acaaaaaaaa | acagcaacct | tgacattggg | 1320 |
| catgtattta | gagaagcgct | catattcctt | gctgatctga | aaagccaact | cccgagtgtg | 1380 |
| acacatcacc | agtacagaca | cctgcccagt | aactggctcc | agctgttgca | gtgtggccaa | 1440 |
| gacaaacact | gctgtctttc | ccatgcccgga | cttggcctgg | cacaggacat | ccattcccag | 1500 |
| aatggcctga | gggatgcact | catgctggac | ttctgacgga | tgctcaaagc | cacagtcgac | 1560 |
| aatggcccgg | agcaactctg | gcttgagcag | gaagtacgga | aagccagagc | tgtggatgga | 1620 |
| gacataggag | cccttgacat | ccttcttgge | aggggcctca | gccccatctc | ccccagctgc | 1680 |
| tgtctccacc | tcatcatctt | catagtccaa | gagctcattg | tccacatcgt | tctctgccat | 1740 |
| aactaaacag | ggagagcgcg | tatggcggca | gcaacagcga | cgaaggaggg | aaatctgcct | 1800 |
| tcacttcceg | ttgcaggctt | ccctcta | | | | 1827 |

<210> 7500

<211> 1031

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (124)...(756)

<223> similar to gi3879170 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7500

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|-----|
| ggaattcccc | gaccgggagg | attggcccct | tagcgcccgg | gcgtcggggc | ggtaaaaggc | 60 |
| cggcagaagg | gaggcacttg | agaaatgtct | ttcctccagg | acccaagtgt | cttcaccatg | 120 |
| gggatgtggt | ccattggtgc | aggagccctg | ggggctgctg | ccttggcatt | gctgcttgcc | 180 |
| aacacagacg | tgtttctgtc | caagccccag | aaagcggccc | tggagtacct | ggaggatata | 240 |
| gacctgaaaa | cactggagaa | ggaaccaagg | actttcaaag | caaaggagct | atgggaaaaa | 300 |
| aatggagctg | tgattatggc | cgtgcggagg | ccaggctgtt | tcctctgtcg | agaggaaagct | 360 |
| gcggatctgt | cctccctgaa | aagcatgttg | gaccagctgg | gcgtccccct | ctatgcagtg | 420 |
| gtaaaggagc | acatcaggac | tgaagtgaag | gatttccagc | cttattttcaa | aggagaaatc | 480 |
| ttcctggatg | aaaagaaaaa | gttctatggg | ccacaaaggc | ggaagatgat | gtttatggga | 540 |
| tttatccgtc | tgggagtgtg | gtacaacttc | ttccgagcct | ggaacggagg | cttctctgga | 600 |
| aacctggaag | gagaaggctt | catccttggg | ggagttttcg | tggtgggatc | aggaaagcag | 660 |

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|------|
| ggcattcttc | ttgagcacccg | agaaaaagaa | tttggagaca | aagtaaacct | actttctggt | 720 |
| ctggaagctg | ctaagatgat | caaaccacag | actttggcct | cagagaaaaa | atgattgtgt | 780 |
| gaaactgccc | agctcagga | taaccagga | cattcacctg | tggtcatggg | atgtattgtt | 840 |
| tccactcgtg | tccctaagga | gtgagaaacc | catttatact | ctactctcag | tatggattat | 900 |
| taatgtattt | taatattctg | tttaggccca | ctaaggcaaa | atagcccaa | aacaagactg | 960 |
| acaaaaatct | gaaaaactaa | tgaggattat | taagctaaaa | cctgggaaat | aggaggctta | 1020 |
| aaattgactg | c | | | | | 1031 |

<210> 7501

<211> 1497

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1286)...(269)

<223> similar to gi4589248 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7501

| | | | | | | |
|------------|-------------|-------------|-------------|------------|-------------|------|
| tttttttttt | ttagtctctc | aatactttac | tggccatat | ccccgatac | ccccacagca | 60 |
| atttcaccaa | cacagagcaa | ctgccctcag | ccactctgat | gtgatggagc | caatccaggt | 120 |
| gtcctagaaa | tatcctagaa | atgcagagca | tggggaaatc | acagaaccct | gggaaatgcc | 180 |
| ataagaacct | gggctctgga | aagtgccatc | cacctccct | ctggtcaggc | tggcggcact | 240 |
| gacaaggcat | ccacagggca | gccatgctat | ggcccagacc | tccggatatg | caggaaccgg | 300 |
| ggcctcccac | agaagtcct | gcgcacagcc | acaagattaa | ggtacaggtc | aggccggctc | 360 |
| tgaagccagc | tgctgacaag | ctccgggtgc | cttgggtcca | cttctaagaa | gatactacca | 420 |
| gagtctttca | ggagccgggg | tgccaaggcc | agaatgtggg | taatgatgtc | catgccctcc | 480 |
| tccccaccat | ccagggccgc | gggtcttca | tagctgcgga | tctcaggggc | cagctgctcc | 540 |
| atgtcctggt | ggaagacgta | gggagggttg | ctgacaatca | ggtccatggg | gccccagggc | 600 |
| aggtgtgtcc | agtcctttc | tgaggtcatg | tgcaggtgga | tgatccaaat | cctgtcctgc | 660 |
| aaccgaagcc | tctgagcatt | ctcatgggtc | agagagatag | cagcttcccg | cttatccaca | 720 |
| gcaatgactc | ggctctgggg | gagctggctc | agcaggctga | gggagatggc | tectgatccg | 780 |
| cagcccacct | ccagaatgag | ggggctgcct | ggggatccca | cagcatggga | cctctggccc | 840 |
| acctcttcca | gcaccactc | aaccagttcc | tctgtttctg | gccgcggaat | aaactctggg | 900 |
| ggcaccatcc | ttaggtctgag | cccctggaag | tccactctc | caaggatgta | ctgcaccggc | 960 |
| atcctctgca | atcgacggct | actcagctcc | cggatacact | gtagttgctg | agaggtcaag | 1020 |
| ggctgggtcc | aaagtgccgg | cctcaggctc | tgaaatgttt | tggctccaag | gacatgagcc | 1080 |
| acgatgtact | cactggattc | ccgggcctca | gggatacccc | tcttctcaaa | gacccagctc | 1140 |
| cagtggctga | ccagttctat | ggcactggat | aaccacagcca | gaggtgggtg | gggttgccat | 1200 |
| gagctgaagg | cccagccccg | ggtaacttccc | ctcctccctg | ggccagacag | gagggcccac | 1260 |
| agcattcggc | cccaaagctc | catgtctcag | ggaaagggtc | tccagagtgc | ttccagggtc | 1320 |
| ccaagtctgc | tttatgatgt | cagctgctga | ggtgagtgtc | gagagtggcc | cctggaccca | 1380 |
| gctgggtgga | gatggagagg | tcacaagctc | tggtgccccca | aaatggctct | ggctcctcaga | 1440 |
| tatagttggt | tgccaccctg | cctgaaaggc | tgccccacac | accaccagc | cggagaa | 1497 |

<210> 7502
 <211> 2007
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2008)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (87)...(1149)
 <223> similar to gi3878636 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7502

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|------|
| ggagcaaggg | gaagaagagg | atgggctcgt | ccatgtcggc | ggccaccgcg | cggaggccgg | 60 |
| tgtttgacga | caaggaggac | gtgaacttcg | accacttcca | gacccctcgg | gccattggga | 120 |
| agggcagctt | tggcaaggtg | tgcatgtgtc | agaagcggga | cacggagaag | atgtacgcca | 180 |
| tgaagtacat | gaacaagcag | cagtgcacgc | agcgcgacga | ggtcgcgaac | gtcttcgggg | 240 |
| agctggagat | cctgcaggag | atcgagcacg | tcttcctggt | gaacctctgg | tactccttcc | 300 |
| aggacgagga | ggacatgttc | atggtcgtgg | acctgctact | gggcggggac | ctgcgctacc | 360 |
| acctgcagca | gaacgtgcag | ttctccgagg | acacggtgag | gctgtacatc | tcgagatgg | 420 |
| cactggctct | ggactacctg | cgcgccagc | acatcatcca | cagagatgtc | aagcctgaca | 480 |
| acattctcct | ggatgagaga | ggacatgcac | acctgaccga | cttcaacatt | gccaccatca | 540 |
| tcaaggacgg | ggagcgggcg | acggcattat | caggcaccaa | gccgtacatg | gctccggaga | 600 |
| tcttccactc | ttttgtcaac | ggcgggaccg | gctactcctt | cgagggtggac | tggtggtcgg | 660 |
| tgggggtgat | ggcctatgag | ctgctgcgag | gatggaggcc | ctatgacatc | cactccagca | 720 |
| acgccgtgga | gtccctggtg | cagctgttca | gcaccgtgag | cgtccagtat | gtccccacgt | 780 |
| ggtccaagga | gatggtggcc | ttgctgcgga | agctcctcac | tgtgaacccc | gagcaccggc | 840 |
| tctccagcct | ccaggacgtg | caggcagccc | cggcgtggc | cggcgtgctg | tgggaccacc | 900 |
| tgagcgagaa | gaggggtggag | ccgggcttcg | tgcccaacaa | aggccgtctg | cactgcgacc | 960 |
| ccacctttga | gctggaggag | atgatcctgg | agtccaggcc | cctgcacaag | aagaagaagc | 1020 |
| gcctggccaa | gaacaagtcc | cgggacaaca | gcagggacag | ctcccagtc | gagaatgact | 1080 |
| atcttcaaga | ctgcctcgat | gccatccagc | aagacttcgt | gatttttaac | agagaaaagc | 1140 |
| tgaagaggag | ccaggacctc | ccgagggagc | ctctccccgc | ccctgagtcc | agggatgctg | 1200 |
| cggagcctgt | ggaggacgag | gcggaacgct | ccgccctgcc | catgtgcggc | cccatttgcc | 1260 |
| cctcggccgg | gagcggctag | gccgggacgc | ccgtggtcct | cacccttga | gctgctttgg | 1320 |
| agactcggct | gccagaggga | gggccatggg | ccgaggcctg | gcattcacgt | tcccaccag | 1380 |
| cctggctggc | ggtgcccaca | gtgccccgga | cacatttcac | acctcaggct | cgtgggtggtg | 1440 |
| caggggacaa | gaggctgtgg | gtgcagggga | cacctgtgga | gggcatttcc | cgtggggccc | 1500 |
| cgagaccgcg | ctagatggag | gaagcgctgc | tgggcgccct | cttaccgctc | acggggagct | 1560 |
| ggggccatgg | atgggacagg | agtctttgtc | cctgctcagc | ccggaggctg | tgacggccc | 1620 |
| tcgtcacaag | gtgacccttg | cagcacaggc | cgcggtggcc | ccaggctcgg | ctcagttctt | 1680 |
| ggagggtcaag | ggcatggggt | ggggtagtgg | gtggggagggt | gaatgttttc | tagagattca | 1740 |
| aactgctcca | gcaatttctg | tatagttttc | acctctgaga | attacaatgt | gagaaccgct | 1800 |
| caaaaaaaaa | aaaaaggggg | ggccctttta | aaagaacaaa | tttttactcc | cgggggttgg | 1860 |
| caaggatattt | tttttttttt | ggggccccc | aaattaaattc | cgggggagggt | tttttaaaaa | 1920 |
| ggggggagtg | gaaaaaccct | ggggttaccc | aatttttattt | gttttgaggga | aanatntntt | 1980 |
| tactnnntttt | tatttaatat | gttttttt | | | | 2007 |

<210> 7503
 <211> 839
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (108)...(761)
 <223> similar to gi2832832 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7503

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|-----|
| ctccccggttc | gacgatttcg | tggcgccccg | gcctggcgcg | gagcctgagc | ccgccggacg | 60 |
| ggagggcgcc | ccgccgcggg | ctcgcccccg | gccccagccc | cgccagcatg | gccggccgga | 120 |
| ctgtacgggc | cgagaccg | agccgggcca | aggatgacat | caagaagggtg | atggcgacca | 180 |
| tcgagaaggt | ccggagatgg | gagaagcgat | gggtgactgt | gggcgacact | tcccttcgta | 240 |
| tcttcaagt | ggtgccagt | gtggatcccc | aggaggagga | gcgaaggcgg | gcaggtggcg | 300 |
| gggcagagag | atcccgtggc | cgggaacgtc | ggggcagggg | cgccagtccc | cgaggggggtg | 360 |
| gccctctcat | cctgctggat | cttaatgatg | agaacagcaa | ccagagtttc | cattcggaag | 420 |
| gttccctgca | aaagggcaca | gagcccagtc | ctgggggcac | ccccagccc | agccgccctg | 480 |
| tgtcacctgc | cggacccccca | gaaggggtcc | ctgaggaggc | tcagccccca | cggctgggcc | 540 |
| aagagagaga | tcccgggggc | ataactgctg | gcagcaccga | cgaacccccca | atgctgacca | 600 |
| aggaggagcc | tgttccagaa | ctgctggaag | ctgaggcccc | cgaagcttac | cctgtctttg | 660 |
| agccagtgc | acctgtccct | gaggcagccc | aggggtgacac | agaggactcg | gagggtgccc | 720 |
| ccccactcaa | gcgcatctgc | ccaaatgccc | ctgacccctg | agaagccggc | ctgcctgtcc | 780 |
| tgttgcccca | ggggcccctt | tggcttttta | caaataaaga | cccttttgta | aaaaaaaa | 839 |

<210> 7504
 <211> 728
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (289)...(549)
 <223> similar to gi57605 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7504

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| ccggccagca | ccacggacgg | cgcccaggaa | gcccagatcc | ccctggacgg | ggccttctgg | 60 |
| attccgaggc | ccccggcagg | ttcgcccaag | ggctgcttcg | cttgctgtgc | caagccccct | 120 |
| gcctgcagg | ctccggcggc | ccctgcccct | gagccctcgg | cctctcccc | gatggcgccc | 180 |
| acactgttcc | ccatggagtc | caagagcagc | aagaccgaca | gcgtgcgggc | tgcggcgcg | 240 |
| ccccctgcct | gcaagcacct | agccgagaag | aagacgatga | ccaacccac | gaccgtcatc | 300 |
| gaggtctacc | cggacaccac | cgaggtgaac | gactattacc | tgtggtccat | cttcaacttc | 360 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| gtctacctca | acttctgctg | cctgggcttc | atcgcccttg | cctactccct | caaagtgcga | 420 |
| gacaagaagc | ttctcaatga | cctgaatgga | gccgtggagg | atgcaaagac | ggaccggctg | 480 |
| atcaacatca | ccagatccgg | tctggcagcc | tcctgcatca | tgctatggat | ggctctctct | 540 |
| gtgatagcca | ctcaccgtgg | gctaaggctg | tccgcgtcca | tattggttgc | ggaaccccat | 600 |
| gactggaata | cagagagacc | acaagtcacg | tttcgcgagc | gatgtcctgc | actgtaactt | 660 |
| gaaatcactc | aggtgaccgt | acgaggctag | atattatgaa | gctgtcgtat | accctgccca | 720 |
| gaggtccg | | | | | | 728 |

```

<210> 7505
<211> 1293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (761)...(914)
<223> similar to gi576631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

| | | | | | | |
|------------|-------------|-------------|------------|------------|-------------|------|
| <400> 7505 | | | | | | |
| tttttttttt | ttaagaagaa | aaaataataa | acttagtttc | tgtatgagca | tccgcgtaag | 60 |
| gaggcttctg | atthttctggt | ctgggtggagg | ggtgggtggg | aacttgggca | tcgtttttct | 120 |
| cctccctctt | gttcttgcaa | agatcctagc | acctgatctc | tagcccagga | ctatatgttc | 180 |
| caggcagaaa | tctacccaag | aagagggaag | attggtgaat | ttgatgtggt | agggtagcctt | 240 |
| tccccagtc | gtttgaagtc | acagatatcc | ttttcctctc | atthcttttc | cctcggttcc | 300 |
| tagacgttcc | tcggagctct | ttgatgcctc | agacctttcc | cttttatccc | tcttgctcag | 360 |
| gtgcttccct | tcacaacttt | ttccagaggg | caggcgctct | agctccagtt | gtcccatccc | 420 |
| ttgggccctc | ccctgctctt | catctagcca | aactggtttg | agtcagccac | accccttccc | 480 |
| agctccctgg | gctcttcacg | tggtggctgg | ccactcaacc | ccaccctgg | gcttggtctg | 540 |
| gagccctgag | tcagctccat | caccacccaa | gccaaaccaa | agctgaggca | ggagccgaaa | 600 |
| ctcagagtcc | ttcaaggcct | atagccaggt | gatggaggac | gaggagaagg | cagtggagat | 660 |
| cttgggcaac | acggaagctg | ctcatcctcc | atcccccatc | cgctgctgct | ggctccgcct | 720 |
| ccgctgcttg | gcagctacta | gcattatctg | tggctgctct | tgcttgggag | tcattggtct | 780 |
| ggtgtttgcc | atcaaggcgg | aagagcggca | taaagcaggc | cgttccgagg | aggcagtgcg | 840 |
| ctggggggcc | cgggcccggg | aactcatcct | ggccagcttt | gctgtctggc | ttgctgtcct | 900 |
| cattctgggt | cccctgctgc | tgtggttgc | ctcctacgcc | atcgctcagg | ctgagtgacc | 960 |
| ctggatggcc | tctgctgaga | gccagccgag | acctcctgga | tcctgcaatg | cggcattgct | 1020 |
| aaggctcctg | gacagcagtg | gttggaagga | tcctggttgg | aaggatgggg | actctctcaa | 1080 |
| ggggcttttg | aagagctctt | ctagcccttt | ataaaaggag | ggcagcagct | gagactgatg | 1140 |
| agaggagggc | agcctgctct | gttctttcag | ggccccccac | ccccatctcc | cctaccctag | 1200 |
| cccaccctag | ggcctctacc | cagcgggagg | ggttgaagac | caggcctggg | tttattagaa | 1260 |
| ttcattttgt | aataaaaagcc | tttttttagtg | gtg | | | 1293 |

```

<210> 7506
<211> 2450
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (871)...(1536)

<223> similar to gi5911823 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7506

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|-------------|------|
| agcatcaaca | acggaggctg | tcagcaggtc | tgtgtgaaca | cagtgggcag | ctatgaatgc | 60 |
| cagtgccacc | ctgggtacaa | gctccactgg | aataagaaag | actgtgtgga | agtgaagggg | 120 |
| ctcctgcca | caagtgtgtc | accccgctg | tcctgcact | gcggtaagag | tgggtggagga | 180 |
| gacgggcgt | tcctcagatg | tactctggc | attcacctct | cttcagatgt | caccaccatc | 240 |
| aggacaagt | taacctttaa | gctaaatgaa | ggcaagtgt | gtttgaaaaa | tgctgagctg | 300 |
| tttcccgagg | gtctgcgacc | agcactacca | gagaagcaca | gctcagtaaa | agagagcttc | 360 |
| cgctacgtaa | accttacatg | cagctctggc | aagcaagtcc | caggagcccc | tggccgacca | 420 |
| agcaccctta | aggaaatggt | tatcactggt | gagtttgagc | ttgaaactaa | ccaaaaggag | 480 |
| gggacagctt | cttgtgacct | gagctgcac | gtaaagcgaa | ccgagaagcg | gctccgtaaa | 540 |
| gccatccgca | cgctcagaaa | ggccgtccac | agggagcagt | ttcacctcca | gctctcaggc | 600 |
| atgaacctcg | acgtggctaa | aaagcctccc | agaacatctg | aacgccaggc | agagtccgtg | 660 |
| ggagtgggccc | aggggtcatgc | agaaaaccaa | tgtgtcagtt | gcagggctgg | gacctattat | 720 |
| gatggagcac | gagaacgctg | cattttatgt | ccaaatggaa | ccttccaaaa | tgaggaagga | 780 |
| caaatgactt | gtgaaccatg | cccaagacca | ggaaattctg | gggccctgaa | gaccccagaa | 840 |
| gcttggaata | tgtctgaatg | tggaggctcg | tgtcaacctg | gtgaatatcc | tcgagatggc | 900 |
| tttgcacctt | gccagctctg | tgccctgggc | acgttccagc | ctgaagctgg | tcgaacttcc | 960 |
| tgcttccctt | gtggaggagg | ccttgccacc | aaacatcagg | gagctacttc | ctttcaggac | 1020 |
| tgtgaaacca | gagttcaatg | ttcacctgga | cattttctaca | acaccaccac | tcaccgatgt | 1080 |
| attcgttgcc | cagtgggaac | ataccagcct | gaatttgga | aaaataattg | tgtttcttgc | 1140 |
| ccaggaaata | ctacgactga | ctttgatggc | tcacaaaca | taaccagtg | taaaaacaga | 1200 |
| agatgtggag | gggagctggg | agatttctact | gggtacattg | aatccccaaa | ctaccaggc | 1260 |
| aattaccag | ccaacaccga | gtgtacgtgg | accatcaacc | caccccccaa | gcgcccgcac | 1320 |
| ctgatcgtag | tccttgagat | cttctgccc | atagaggacg | actgtgggga | ctatctggtg | 1380 |
| atgcggaaaa | cctcttcac | caattctgtg | acaacatatg | aaacctgcca | gacctacgaa | 1440 |
| cgccccatcg | ccttcacctc | caggtcaaag | aagctgtgga | ttcagttcaa | gtccaatgaa | 1500 |
| gggaacagcg | ctagagggtt | ccagggtccc | tacgtgacat | atgatgagga | ctaccaggaa | 1560 |
| ctcattgaag | acatagtctg | agatggcagg | ctctatgcat | ctgagaacca | tcaggaaata | 1620 |
| cttaaggata | agaaacttat | caaggctctg | tttgatgtcc | tggcccatcc | ccagaactat | 1680 |
| ttcaagtaca | cagcccagga | gtcccagag | atgtttccaa | gatcgttcat | ccgattgtca | 1740 |
| cgttccaaag | tgtccagggt | tttgagacct | tacaaatgac | tcagcccacg | tgccactcaa | 1800 |
| tacaaatggt | ctgctatagg | gttggtggga | cagagctgtc | ttccttctgc | atgtcagcac | 1860 |
| agtcgggtat | tgctgcctcc | cgtatcagtg | actcattaga | gttcaatttt | tatagataat | 1920 |
| acagatattt | tggtaaattg | aacttggttt | ttctttccca | gcacgtgga | tgtagactga | 1980 |
| gaatggcctt | gagtggtcac | agcttctcac | tgctgtgggc | ggatgtcttg | gatagatcaa | 2040 |
| gggctggctg | agctggactt | tggtcagcct | aggtgagact | cacctgtcct | tctggggctc | 2100 |
| tactcctcct | caaggagtct | gtagtggaaa | ggaggccaca | gaataagctg | cttattctga | 2160 |
| aacttcagct | tcctctagcc | cggccctctc | taaggagacc | ctctgcactc | gtgtgcaggc | 2220 |
| tctgaccagg | cagaacaggc | aagaggggag | ggaaggagac | ccctgcaggc | tcctccacc | 2280 |
| caccttgaga | cctgggagga | ctcagtttct | ccacagcctt | ctccagcctg | tgtgatacaa | 2340 |
| gtttgatccc | aggaacttga | gttctaagca | gtgctcgtga | aaaaaaaaag | cagaaagaat | 2400 |
| tagaaataaa | taaaaactaa | gcacttctgg | agacatagtc | gacgcggccg | | 2450 |


```

<210> 7507
<211> 1514
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (247)...(564)
<223> similar to gi4160196 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7507
ggaattcgac ttccttgctg gttgctaaga cactcttggt tcgctccttg acaaccctgg      60
cggggggttcg ctgggtgcgg ccccggtcc ggcccccgca ggagcagcac ccccgggga      120
aagacatttt ctgctccac cgagttggca gggcctgctt cctgaatctc ctgggtgtgt      180
cttaactgcc agtcccagca cctcctgaaa gcccactct cctccagtgg tcacagtgga      240
aggatcatgg gagaaacaga agggaagaaa gatgaggctg actataagcg actgcagacc      300
ttccctctgg tcaggcactc ggacatgcc gaggagatgc gcgtggagac catggagcta      360
tgtgtcacag cctgtgagaa attctccaac aacaacgaga gcgccgcaa gatgatcaaa      420
gagacaatgg acaagaagtt cggctcctcc tggcacgtgg tgatcggcga gggctttggg      480
tttgagatca cccacgaggt gaagaacctc ctctacctgt acttcggggg caccctggct      540
gtgtgcgtct ggaagtgtc ctgacactct gtcccctgcc ccgtcccctg cagggccttt      600
tcctgccact catctggggt ggggagcagc cctaggcagg tcctggtttt tccaaggaga      660
gttggggctct tttctttttg tctttgtgta ccagtttct gagccacgcc cagtgtgtga      720
acttgacatc tccatcccca ggctctcaac tgtctccctc ggagtctcag ggtgtggacg      780
gggcagcggg catgggtctg tgtgggagac gtgggggtggg gcggtgtgac agggtagagg      840
aggtgggaga tgagatcttc cgcacaggaa cacgccagtc cccctttctc cagggtgcc      900
ttccccttgc atcctgggag cccactgcc ctgccatccc cagtactgcc gggaagtgtc      960
ggcgcgtcct gtcattagt gtcatatgaa aatggcccca agaaggagat gattctttca     1020
agggacacag gcagcttctc tccttgtcct ctggggaggt gctgaccctc cagaaacccc     1080
ttcccccaac ttgaccccag gctgaacaga cactgcac tcactgggccc agcagcccc     1140
ccagccccc gcttgggtgg ggaccaagca gcctttcccg tcccctcctc gaccggtaca     1200
gttgagagcc aggggctgg gtgtgggagc tgctacctgg cagtttctcg aggggtcacc     1260
gagcctctgg tgggacacct gggcaggagt gctctacca cgaggctgct tccgcaggga     1320
accctggcct gccgcgact tcgcatcagg gaccgcatgc tgatttgtac tgctctctgc     1380
tggtttttct atgttctttt cgagtgtggg aaaagggttt tagtagaagg gtgaatcgta     1440
ttttacacag cggctcttatt tatataaatg tcttggtttt tacaattaaa atgacaaaaa     1500
actgaaaaaa aaaa                                     1514

```

```

<210> 7508
<211> 3372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (259)...(2062)
<223> similar to gi2463542 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 7508

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|-------------|------|
| gaaggagcgg | gcatgaggcg | ctgcccgtgc | cgtgggagcc | tgaacgaggc | ggaggccggg | 60 |
| gcgctgcccg | cggcgggccc | catgggactg | gaggcgccgc | gaggagggcg | gcggcggcag | 120 |
| ccgggacagc | agcgacctgg | gcccggcgca | ggggccccgg | cggggcgggc | ggaggggggc | 180 |
| gggcccctgg | cccggacaga | gggggtccagc | ctccacagcg | agcctgagag | ggccggcctc | 240 |
| gggcctgcgc | cggggacaga | gagtccgcag | gcagaattct | ggacagacgg | acagactgag | 300 |
| cccgcggcag | ctggccttgg | agtagagacc | gagaggccca | agcaaaagac | ggagccagac | 360 |
| aggtccagcc | tccggacgca | tctagaatgg | agctggtcag | agctggggac | gacttgtctt | 420 |
| tggacggaga | ccgggacaga | tggcctttgg | actgatccgc | acagggtccga | cctccagttt | 480 |
| cagcccagg | aggccagccc | ctggacacag | ccaggggttc | atgggcccctg | gacagagctg | 540 |
| gaaacgcatg | ggtcacagac | tcagccagag | aggggtcaagt | cctgggctga | taacctctgg | 600 |
| accaccaga | acagtccag | cctccagact | caccagaag | gagcctgtcc | ctcaaaagag | 660 |
| ccaagtgcctg | atggctcctg | gaaagaattg | tatactgatg | gctccaggac | acaacaggat | 720 |
| attgaaggtc | cctggacaga | gccatatact | gatggctccc | agaaaaaaca | ggatactgaa | 780 |
| gcagccagga | aacagcctgg | cactggtggt | ttccaaatac | aacaggatac | tgatggctcc | 840 |
| tggacacaac | ctagcactga | cggttcccag | acagcacctg | ggacagactg | cctcttggga | 900 |
| gagcctgagg | atggcccatt | agaggaacca | gagcctggag | aattgctgac | tcacctgtac | 960 |
| tctcacctga | agtgtagccc | cctgtgccct | gtgccccgcc | tcattcattac | ccctgagacc | 1020 |
| cctgagcctg | aggcccagcc | agtgggaccc | ccctcccggg | ttgagggggg | cagcggcggc | 1080 |
| ttctcctctg | cctcttcttt | cgacgagtct | gaggatgacg | tgggtggccgg | gggaggaggt | 1140 |
| gccagcgatc | ccgaggacag | gtctgggagc | aaacctgga | agaagctgaa | gacagttctg | 1200 |
| aagtattcac | cctttgtggt | ctccttccga | aaacatacc | cttgggtcca | gctttctgga | 1260 |
| catgctggga | acttccaggc | aggagaggat | ggtcggattc | tgaaacgttt | ctgtcagtgt | 1320 |
| gagcagcgca | gcctggagca | gctgatgaaa | gacctgctgc | gacctttcgt | gcctgcctac | 1380 |
| tatggcatgg | tgctgcagga | tggccagacc | ttcaaccaga | tggaaagacct | cctggctgac | 1440 |
| tttgagggcc | cctccattat | ggactgcaag | atgggcagca | ggacctatct | ggaagaggag | 1500 |
| ctagtgaagg | cacgggaacg | tccccgtccc | cggaaaggaca | tgtatgagaa | gatggtggct | 1560 |
| gtggaccctg | gggcccctac | ccctgaggag | catgcccagg | gtgcagtcac | caagccccgc | 1620 |
| tacatgcagt | ggagggaaac | catgagctcc | acctctaccc | tgggcttccg | gatcgagggc | 1680 |
| atcaagaagg | cagatgggac | ctgtaacacc | aacttcaaga | agacgcaggc | actggagcag | 1740 |
| gtgacaaaag | tgctggagga | cttcgtggat | ggagaccacg | tcattcctgca | aaagtacgtg | 1800 |
| gcatgcctag | aagaacttcg | tgaagctctg | gagatctccc | ccttcttcaa | gacccacgag | 1860 |
| gtggtaggca | gctccctcct | cttcgtgcac | gaccacaccg | gcctggccaa | ggtctggatg | 1920 |
| atagacttcg | gcaagacggg | ggccttgccc | gaccaccaga | cgctcagcca | caggctgccc | 1980 |
| tgggctgagg | gcaaccgtga | ggacggctac | ctctggggcc | tggacaacat | gatctgcctc | 2040 |
| ctgcaggggc | tggcacagag | ctgagctgct | cagccaccat | caggttaatt | ggatggcgcc | 2100 |
| agtctggctg | gaggagccct | gagatgccat | gggaggcctg | aggttggcca | cgggggagct | 2160 |
| ggcctccagg | gacgggagag | attgtgtcat | gtgccacacg | agaccaacgt | ggaaaagtct | 2220 |
| gaagggcctt | gggagaccag | gtagcacctg | gccccatcat | gatgcagggg | ttttggggac | 2280 |
| ctggaaggaa | ggtgatgagg | cagtgagtca | gaaaaaccag | aacggggtcc | ccggtatctgc | 2340 |
| tgggaaggct | tctgaggggc | tgccctgaga | gcattcagtt | cacatgtcac | agggtatggt | 2400 |
| gtgacagggt | gcctgtggac | acatgaatca | cttctaacct | gcctccctgt | cagcctccag | 2460 |
| gctgccagct | ggctgaggcc | agggactggg | tcaggctcat | ctgtggcgcc | tcagagggtc | 2520 |
| agcatcattg | gtgaacagat | gcaggcgctg | ctggaccatc | tggggagagt | gacagtcct | 2580 |
| gtcttcacca | gggagccatt | tgagtgtctga | gcgacaagag | gctcagaggg | catgacccca | 2640 |
| tgggactgga | tgcggcctga | gggctgatac | cgctgggcgg | tatcctgccc | tgctgtggcc | 2700 |
| ctgtgggac | ctccgtgttc | ctcggcggac | tctgtgacc | tcctgcagac | ccaaaccaca | 2760 |
| gccacatccc | agcttctgtg | ccagcactgt | gacagtacct | cgctcctctg | tgaccagat | 2820 |
| ccggcctcag | gacttacacc | tcctgcctga | ccccagget | tctctctcct | ttctcccagc | 2880 |
| aaactgcagt | ggcagaaagg | aggttcagag | gctgggaaag | tgggcctccc | cttgcaactc | 2940 |
| agagctgctg | cactcaggag | ggccccatcc | aatcccgggc | ccctgcaggg | aaaagcgctg | 3000 |
| ggtgtgtgtc | agaggcgag | ggtgggtggg | gctgccagcc | aggacctgg | cctgcagcct | 3060 |
| gatccaaacc | aaagactgta | gaaccctggg | gtgtggctaa | cggccctcc | agcaccata | 3120 |

```

gccaggtctt cctggccctt gaggctgggc tggcggacag gcacctacct cttccttaag 3180
ctgaagctcc cacactgtct tccagggctg aggagatgct ctctttttct actgaccatc 3240
ttgatactta tttatacgag aggcagttgc tggacggggt agtactggga agcaggaggc 3300
agaatggctc tgctgagcct cctacccatg acaacacccc aataaacaga acattcagag 3360
ccaaaaaaaa aa 3372

```

```

<210> 7509
<211> 1941
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1942)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (1777)...(1282)
<223> similar to gi217682 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7509
agcaggacac agtggctcac acctgtaatc acagcacctc aggaggccaa ggcaggagtg 60
agccaccaca ctcagccaac cttaactctt aattattgga aatacccaaa cctcaatgcc 120
ttaccccata tggaaggcaa aatcctgtat tcccaattca cacatgaaaa ttacacgaga 180
ggtaagtcaa aaatgcttcc tttattacat aaagccaata ctgctacttc taagttcaac 240
tgtttggtgca tctctatata gttcaaagtg ttacgcccgt gatattaaca atgaccgctt 300
ccaagtgtca gtgaacagtg gctccctgtg agtgtcatca tggtagctct ccccatgca 360
cacaagtcaa caaactgctc tagaaagtta agttctccca ggcccagagt aaacatatac 420
tcaatattct tccatacttt attataccat aagaagcaaa cttctgaagg agatacaatt 480
aaagatacca caggtgtcct agcttgtcaa tattctgttt tatcattttc attaacaaag 540
cagattacaa tgtagcccta atttgcatta taattagttg ttacaagaca ctgcacattc 600
tcctgaagac acacaatgat ttccaagatg ccaggtcact cttccaatca gtgaatggcg 660
agctcactgg caggtgcagg gctacttctt gtattccaat gatgtgcttg aaatagcgct 720
ttgcaagatg agcgtggatt atgtggacac aattttgagg caatctccat tacacatttg 780
gtagaagact gcctaactta atcttactat tagtgtatta gtgttgttat attatgaaga 840
catattatat tccattatc tgcctagctc aaggaagaat aaagaatttg gacccaaatt 900
ataaccaat tatgagcaat ttcctaagca aaagaaacaa agtaaatgct gaggttaata 960
aagatgtaat aattctcttc acatggcctt tactgtttgt gaactgtgta atttaaaatc 1020
ctgagcttaa caaaaatctt tataaatcaa ctcatcaaaa caggcatttg gccaataaga 1080
atttaatttc acatcaataa aacttttagac ttttagattta tttagggttg tttgcatatg 1140
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ttttatgcct tgaaatttct ttttaattgc atccttggag cttgcataga tcattttact 1440
tttcagaggt gctagttctg gtgcccacaa aaaaaacatc aactcttctt ttctggattc 1500
ttttgtttca aagcttgcac catacaaagc atagcgacaa tctttttcag gaagcattcc 1560
cacaaaatgc ttgaaaggat cagttatggt tacaccaaca tctccaacca agatctcttt 1620

```

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| gccttcttct | acaatgatgc | actttttgtc | tgcactgaga | caaaaaatga | cagccttctt | 1680 |
| tcttttcttg | atttcttctg | gtgtggagca | tttacgaact | ttcatgtcat | aaaaaatgcg | 1740 |
| acatacttca | tcagctactt | gcactcctga | ggccatcttc | gccgcggcgg | tcgcagggac | 1800 |
| gcgggggagg | gagccggcgg | gcagcgagta | tgagaccgt | cctcctcacg | gctgcgggac | 1860 |
| cgagagaccc | agcgtgagc | tgacgcggcg | gcgcgagctt | acncgggggg | ggaattcccc | 1920 |
| gcntgggtag | tggtactcga | a | | | | 1941 |

<210> 7510
 <211> 1476
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1477)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1217)...(275)
 <223> similar to gi2315796 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|------------|------------|------------|-------------|------------|-------------|------|
| <400> 7510 | | | | | | |
| tttttttttt | ttgaaagaga | aatgagactt | ttattagctc | caagagcatt | tttcaatact | 60 |
| aagggcaaaa | agtaaaaaga | aggacaagga | aaaccaaggc | acaaagaagg | gacctaggcg | 120 |
| caccccagaa | ctcaccacgg | acacacagca | gagggttct | cttcatatca | agggatatggg | 180 |
| taaacaagaa | aggctgctgt | ttcactgaga | caggacaaac | caccaagtcc | aaatgagaag | 240 |
| acaagcagag | acgtagtgtc | agaccaggag | ggttagaact | tgctagtgtg | gagggcaata | 300 |
| atccacttgg | gcacacggag | gaaggagggc | aggtaggagg | ccagccagcc | caggccggac | 360 |
| acgtgtgaga | gaacagagct | caaagacaaa | tagtcttggg | cggggcggcc | gtccacatcc | 420 |
| cgaaggccat | agcgtcgagc | aaggtcacag | gatggcagca | ccttaccact | caggctcagg | 480 |
| atattgggat | ctgttgccaa | agccaccaca | catttgccac | tcaattctgt | ggtttccgca | 540 |
| gatgagaagg | ctgatttgaa | ctgcttcaac | acaggatcct | gcaggacctc | ctcctttgcc | 600 |
| atatgctcct | tcagcagttc | tgtctgcaca | atccccggcc | acagagacac | acagctgacc | 660 |
| ccatggcgcc | gcagctcgtg | ggcacagtca | gcagccagct | tgtcacacgc | agctttgccc | 720 |
| acaccatagg | ggacattgaa | catatactgc | aggcttctctg | gggaggagat | gaccacgatg | 780 |
| agcccctggc | cagctggtac | catcagccgt | gccccataca | ctgagcaaaa | gtagtggcct | 840 |
| ctgagtccga | cgttgttgat | atcatcccac | atggaggcag | gggtttccca | gaatgcctta | 900 |
| ttcctgggtg | tcaggatcgt | ctggaccctt | gcataagcat | tgttgaccag | cacatctaga | 960 |
| cgcccttgct | gttcccgatc | cacttgctca | aacaggcttc | gcacttcact | ctcctggctt | 1020 |
| gaatcgca | ccacaggcac | acattggccc | ccgagggtat | gtgcctcctg | agcaacaacg | 1080 |
| cgaagggtgt | ccagatggcg | gccagtgatg | taaactgtgg | cgctgtcttt | gcagagctgc | 1140 |
| aaggcaatgc | cacggccaat | accctgggag | gcaccagtca | ccacacacac | ttggccattc | 1200 |
| atgggagctg | ccatgactca | caggcaaagg | aggcaggtct | gccacctgcg | ctgccgctga | 1260 |
| ggtctgcaga | ttgcggggct | gcggtggaag | tctgggttct | cgcccagatt | gagccggcga | 1320 |
| cgtggaggca | gtgttcaagg | attgattctg | tagtaggacc | cggggcgatt | ctgtgctgag | 1380 |
| gtagaggggc | agagtcccag | cccaagttag | aacctgcgga | tgggggcgga | gcgatctggg | 1440 |
| tgncgaattc | cnccgcntgg | gctatgctac | tcagtg | | | 1476 |

```

<210> 7511
<211> 2714
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (181)...(1167)
<223> similar to gi733603 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7511
tttcgtggca cgcggcgct cgggtgtttt tgggggcccg ggtggagggc cgggtgccc 60
gggccaagg tgcggcctcg ctacggggag agggagcggg atcaccggcc cggagagagc 120
tctcagggcc agagcggggc aggaggatgc tttcccagcc ccaccatgga gctgcgctgt 180
gggggattgc tgttcagttc tcgctttgat tcagggaatc tagcccacgt ggagaagggtg 240
gaatccttgc ccagtgatgg ggaaggggta ggagggtggg cgtcagccct gaccagtggc 300
attgcctctt cccctgacta tgaattcaac gtgtggacct gaccagactg tgctgaaacg 360
gaatttgaga atgggaacag gtcattggtc tacttcagcg tccggggagg aatgccagga 420
aaactcatca agatcaacat tatgaacatg aacaagcaga gcaagctgta tcccaggggc 480
atggccccct ttgtgcgcac actgccacc cggccacgct gggaacgcat tcgagaccgg 540
cccacctttg agatgacaga gacgcagttt gtgttatect ttgttcacg tttcgtggag 600
ggcgtgggg ccaccacctt cttgccttc tgctaccctt tctctacag tgactgccag 660
gaactgctaa accagctaga ccagcgcttt cgggagaacc acctacca tagcagcccc 720
ctggatacca tctattacca tcgggagctc ctttgcattt ctctggatgg acttcgtgta 780
gatctgctga cgatcacttc ctgccatggg cttcgagaag atcgagagcc cgtctagag 840
cagctatttc ctgataccag caccctcga ccattccgtt tcgcaggcaa gaggatattc 900
ttcttaagca gtagagtaca cccaggggag actccatcta gctttgtctt caatggcttt 960
ctggacttca tcctccgacc tgatgatccc cgggccc aaa cctccgctc cctcttcgtc 1020
ttaaagctga tccccatgtt gaaccccgat ggtgtgggtc ggggacacta ccgcacagac 1080
tcacgtggag tgaatctgaa ccgtcagtag ctgaagcctg atgccgtcct gcacccggcc 1140
atctatgggg ccaaagctgt gcttctctac caccatgtgc actctcgtct gaactcccag 1200
agttcctctg agcaccagcc cagtctcctg ctccctcctg atgctcctgt ttctgacctg 1260
gagaaagcca acaatctcca aaatgaagct cagtgtgggc actcagctga caggcataac 1320
gctgaagcct ggaaacaaac agagccagca gaacagaagc tcaacagtgt gtggattatg 1380
ccacaacagt ctgcggggct tgaagagtca gccctgata ccatccccc caaagagagt 1440
ggcgttgctt actatgtgga cctgcatgga catgcttcca aaaggggctg cttcatgtac 1500
ggaaacagct ttagtgatga gagcaccag gtggaaaaca tgctatatcc aaagctcatc 1560
tccttgaatt cagcccactt cgacttcag ggctgcaatt tctcagagaa gaatatgtat 1620
gcccagagacc gtagagatgg ccagtctaaa gaggggaagc gccgtgttgc aatctacaaa 1680
gcctcagggg taatccacag ctacacactt gaatgcaact acaacactgg acgtcagta 1740
aacagcatcc ctgctgctg ccatgacaat gggcgtgcca gccccctcc ccgcgggct 1800
ttcccctcca gataactgt ggaactatct gagcaggtgg gacgagctat ggccattgca 1860
gccctggaca tggcggaatg taatccgtgg ccccggaattg tactgtcaga gcacagcagc 1920
cttactaatc tacgggcctg gatgctgaaa catgtacgca acagccgagg cctaagcagc 1980
actctgaatg tgggtgtcaa caagaagagg ggccttcgaa ctccacccaa aagtcacaat 2040
gggttgccctg tctcctgctc cgaaaacacc ttgagtcggg cacgaagttt tagcaccggc 2100
acaagtgccg gtggttagcag cagcagccaa caaaattctc cacagatgaa gaattccccc 2160
agctttcctt ttcattggcag tcggcctgca gggctgccag gcctgggctc tagtacccaa 2220
aaggtcaccc accgggtgct gggcccgcgc agaggtgaagc cagtctggga gccctgcaa 2280

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| | | | | | | |
|------------|------------|-------------|------------|------------|------------|------|
| catgtgttcg | gttgtctggg | gcattgctgg | gggaagtaag | agcttgaaga | tatactgttg | 2340 |
| gccagacc | aaggggtgaa | tcaataaaat | tagttttag | cagaacctgt | ggcctctcct | 2400 |
| acgaccttg | tggtccctgc | ggcatgattc | cagagcggtg | ttgtgtgtgg | ccagaggggg | 2460 |
| aagtctgggt | atctgggctt | cagtgcattc | taggagccag | ggaagtctcc | aaggatgaaa | 2520 |
| cactagctga | agcagtggca | aacaggacat | ggagcctcca | cgtcacggac | aatgtcagtc | 2580 |
| tgtcttcatt | ggggcagtta | agggaaatgtc | ctcagaatcc | aaactgcagt | actgtagaat | 2640 |
| gatggggaat | cttatctgtg | gtctttatgg | gctgaaattt | ttcctggctt | cagagctcat | 2700 |
| taaggaagtg | atag | | | | | 2714 |

<210> 7512

<211> 2750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (97)...(1461)

<223> similar to gi1217965 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7512

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| attgccccctg | taacctgtca | aagaagagct | aaggagctt | tcgggggttg | cttcttgagg | 60 |
| gctgctttct | cctttacttg | gaaggcttcg | ctagtgatgg | accatacat | gattcagatg | 120 |
| agcagcaaag | gcaacctccc | ctcaattctg | gacgtgcatg | tcaacgttgg | tgggagaagc | 180 |
| tctgtgccgg | gaaaaatgaa | aggcagaaag | gccaggtggg | ctgtgaggcc | ctcagacatg | 240 |
| gccaaagaaa | ctttcaaccc | catccgagcc | attgtggaca | acatgaaggt | gaaaccaaat | 300 |
| ccaaacaaaa | ccatgatctc | cctgtccatt | ggggacccta | ctgtgttttg | aaacctgcct | 360 |
| acagaccctg | aagttaccca | ggcaatgaaa | gatgccctgg | actcgggcaa | atataatggc | 420 |
| tatgccccat | ccatcggtct | cctatccagt | cgggaggaga | ttgcttctta | ttaccactgt | 480 |
| cctgaggcac | ccctagaagc | taaggacgtc | attctgacaa | gtggctgcag | ccaagctatt | 540 |
| gacctttgtt | tagctgtgtt | ggccaaccca | gggcagaaca | tcttggttcc | aagacctggg | 600 |
| ttctctctct | acaagactct | ggctgagctc | atgggaattg | aggtcaaact | ctacaatttg | 660 |
| ttgccagaga | aatcttgagg | aattgacctg | aaacaactgg | aatatctaat | tgatgaaaag | 720 |
| acagcttgct | tcattgtcaa | taatccatca | aacctctgtg | ggtcagtgtt | cagcaaactg | 780 |
| catcttcaga | agattctggc | agtggctgca | cggcagtgtg | tccccatctt | agctgatgag | 840 |
| atctatggag | acatggtgtt | ttcggattgc | aaatatgaac | cactggccac | cctcagcacc | 900 |
| gatgtcccca | tcctgtcctg | tggagggtcg | gccaaagcgt | ggctgggtcc | tggctggagg | 960 |
| ttgggctgga | tcctcattca | tgaccgaaga | gacatttttg | gcaatgagat | ccgagatggg | 1020 |
| ctgggtgaagc | tgagtcagcg | cattttggga | ccctgtacca | ttgtccaggg | agctctgaaa | 1080 |
| agcatcctat | gtcgcacccc | gggagagttt | taccacaaca | ctctgagctt | cctcaagtcc | 1140 |
| aatgctgac | tctgttatgg | ggcgttggtc | gccatccctg | gactccggcc | agtcgcctct | 1200 |
| tctggggcta | tgtacctcat | ggttggaatt | gagatggaac | atttcccaga | atttgagaac | 1260 |
| gatgtggagt | tcacggagcg | gttagttgct | gagcagtctg | tccactgcct | cccagcaacg | 1320 |
| tgttttgagt | acccgaattt | catccgagtg | gtcatcacag | tccccgaggt | gatgatgctg | 1380 |
| gaggcgtgca | gccggatcca | ggagtctctg | gagcagcact | accatttgtc | tgaaggcagc | 1440 |
| caggaggagt | gtgataaata | ggcctgcctc | cattctcctg | aggatgtgtc | ccatctaggg | 1500 |
| aaggctggac | taggccttgc | ggctcctcag | ggactcaggt | ggccctactg | ggagaggggc | 1560 |
| ctcaaatgca | ccatgtcaag | ggttcaagat | tgttcctgct | tttccccaa | tacaaccaca | 1620 |
| cccacactca | gacctcctc | attcacatcg | cagattctcc | cttgctctgc | gctgctagag | 1680 |
| tgactcacta | attcattaat | ctgcctccct | ctcgtaagat | ttccttcttt | ttttcttgaa | 1740 |

| | | | | | | |
|------------|------------|------------|-------------|------------|-------------|------|
| agtaccaggt | gaacaaagtt | taccagaaag | cagttgagac | aagaaaataa | gagctcagga | 1800 |
| tgagggaaaa | gaaaaagatt | gagagaat | gtgcccccaa | ccatttctc | agactctaag | 1860 |
| aaagaacacg | ctctctccag | gcaggtctga | agctcaactc | tcttattgcc | tcacttcagg | 1920 |
| tatacctcac | tttacacaat | agaattataa | ctggaaagaa | gttggggaca | catgtatttg | 1980 |
| gtgattacat | tttaaacaca | ttaggaaaag | ttgctatttg | aactttttat | tgatttttgg | 2040 |
| ggggagtaaa | gaattat | gtgatgcaa | taaatatac | ttaattgatc | gacttgccaa | 2100 |
| at | tttagat | gtgtgcat | ggctttct | tttttct | tttagagaag | 2160 |
| gcttttct | tctttgt | tttcttt | tattttgaga | tggagtct | ctctgtcgcc | 2220 |
| catgctggag | tgcagtggcg | cgatctcggc | tcactgcaac | ctccacctcc | tgggttcaag | 2280 |
| cgattctctt | gcctcaacct | cccaagcagt | tgggactaca | ggcgtgagcc | accatgcccg | 2340 |
| gctaattttt | gtatttttag | tagagacagg | gtttcaccat | gttagccagg | ctggtctcaa | 2400 |
| actcctgacc | tcaggcaatc | tgcccgcctg | ggctctcctaa | agtactggga | ttacaggcgt | 2460 |
| gagccacctc | gccagcggc | atcaggcttt | cttaaagtga | gagcacgcct | gtactagagc | 2520 |
| aagcaggaat | cagagacctt | ccagaaatac | tactgtgtaa | gggccagaaa | tatcttccact | 2580 |
| tgtcattggt | atataatcat | tattactttt | gctgtaatgt | taatattgat | ttattaatat | 2640 |
| atattatctt | ttcatacatt | ttctaagaaa | catttatatt | gataagatct | tttattttgc | 2700 |
| aagggcataa | attattgttt | ttcttttttt | tttttttaat | aaatttcacc | | 2750 |

<210> 7513

<211> 607

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (131)...(285)

<223> similar to gi30295 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7513

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|-----|
| tcgggacgga | ggcctccagg | ggagagggag | gcgggacgaa | gcagcgaaga | actgggaggt | 60 |
| cccagcag | ggagggg | gtcctgtcct | ggagggggcg | tggcttgccg | cgtgagcccc | 120 |
| gcccgcaca | aactaccacc | gctgctcaa | gaccaggacc | cgccgcggga | agagcacgca | 180 |
| gcctg | tactatttcc | gcgtgtacca | ctcgctgtgc | cccatcagct | gggtggagag | 240 |
| ctggaacgag | cagatcaaga | acgggatttt | cgccggcaaa | atctgactgc | cccagcg | 300 |
| cttcctctga | agatgcagt | atcctgcatc | ttttgtctc | gcggagcccc | gggtctcggt | 360 |
| tatccacccc | tacctcccag | tgtctaagcc | acgaataatg | caggtagatg | cctcg | 420 |
| acagctacga | gccagcccag | ggccccag | tctcaacact | gtcccaccca | gatggctcca | 480 |
| aggccaagga | gtgccgcttg | acaaagccct | agggttccag | cctgggtcctg | ctgagggagc | 540 |
| cgtgagacca | gtcagcctgg | ggtgctgggt | ttcccaacgg | gtactccctg | agctatcagc | 600 |
| cttcag | | | | | | 607 |

<210> 7514

<211> 1009

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (234)...(814)
 <223> similar to gi3877561 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7514

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|------|
| gtccccgcct | gagtcgcggc | cacccgcagg | tctgagctgt | gggctgaggc | agcgcagccg | 60 |
| ctgccgcagg | gtgcgcgatg | ccttgaacct | gggaaactat | gtgaagcaac | actctggatt | 120 |
| ttgaaagaca | tcttttcatc | atgggacagc | aaatttcgga | tcagacacag | ttgggttatta | 180 |
| acaagtacc | agaaaaagta | gcaaaacatg | ttacgttggg | tcgagagagt | ggctccttaa | 240 |
| cttatgaaga | atctcttggg | agagtagctg | agcttaatga | tgtaacggct | aaagtggctt | 300 |
| ctggccagga | aaaacatctt | ctctttgagg | tacaacctgg | gtctgattcc | tctgcttttt | 360 |
| ggaaagtgg | tgtacgggtg | gtctgtacca | agattaacaa | aagcagtggc | attgtggagg | 420 |
| catcacggat | catgaattta | taccagttta | ttcaacttta | taaagatata | acaagtcaag | 480 |
| cagcaggagt | attggcacag | agctccacct | ctgaagaacc | tgatgaaaac | tcatcctctg | 540 |
| taacatcttg | tcaggctagt | ctttggatgg | gaagggtgaa | gcagctgacc | gatgaggagg | 600 |
| agtgttgat | ctgtatggat | gggcgggctg | acctcatcct | gccttgctg | cacagctttt | 660 |
| gtcagaagt | tattgataaa | tggagtgatc | gacacaggaa | ttgccctatt | tgtcgcctac | 720 |
| agatgactgg | agcaaatgaa | tcttgggtgg | tatcagatgc | accactgaa | gatgatattg | 780 |
| ctaactatat | tcttaacatg | gctgatgagg | caggccagcc | ccacaggcca | tgaccttgaa | 840 |
| gtgaaagtct | tctgttgcta | ttgtgggctc | aaatatttgg | tcattggggga | agaatgtagg | 900 |
| gttgtggcac | tggcacagac | acaggaaaat | ccattttccc | cactctttta | tttttgctat | 960 |
| tctgatcatt | tgtccccctt | ttaaaaataa | acttcccatg | tcttccaaa | | 1009 |

<210> 7515
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (570)...(283)
 <223> similar to gi2983472 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7515

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | ttgagtgttt | gagtttctt | cacacaaaac | atggacatca | tctttgaggc | 60 |
| tctgtcccag | agagacaggg | ccatccctca | tgtctgttat | tgggtttag | ataaacaata | 120 |
| gtataaatca | aacaaactgc | aaattactct | gtctcttttc | ctaataata | cagcaacagt | 180 |
| cctcagtgg | actgcaccac | tctggaaaaa | atgccttcag | gttccttccc | atcccccaag | 240 |
| gcagcagcaa | atccttcgtg | tcgcctccta | ctggccaagg | cagccaaaga | tttgaaagtc | 300 |
| tttggtcgt | agatggccag | atccgctagg | actttcctgt | tgagctccac | ctggcactta | 360 |
| actaaattcc | caatgagcgc | tggatacttc | agtcctatgt | cctggctagc | agctgtaatt | 420 |
| cgattaatcc | agagggtcct | catgttcttt | ttcttcagg | atcgggcttt | ggtgcatttc | 480 |
| acaaaggctc | gaatcacggg | tctgaccgcc | aacctgtagc | agcgattttt | ccttccccgg | 540 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| aagtgcctgg | cgtgcttcag | cacctcctgg | atccgaaagt | agcggtcggt | gacgcgattc | 600 |
| cgcagccaga | gctgcgcggt | gaggaagacc | atggcgcctg | caggccggcg | tcccgaacac | 660 |
| tcaacaacgc | acgcgcagcg | ccgctgccat | cttgcccgcc | cacgcgtccg | | 710 |

<210> 7516
 <211> 3246
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(3247)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (216)...(897)
 <223> similar to gi4468311 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|------|
| <400> 7516 | | | | | | |
| ccccgcgctc | cgccggacgt | aggaggtgga | ggttggtgga | ttcgccgttc | gaaagcaggg | 60 |
| actaaaagcc | ccacttcgtc | ttacgttccg | aaaggaaggc | gtctgttgag | cctttctctc | 120 |
| agtcgtgagg | gaggcgtcga | cggcgtgcgg | aagtcctgag | ttgaggcttg | cgggatcctt | 180 |
| tccggagaaa | gcgcaggcta | aagccgcagg | tgaagatgtc | caactacgtg | aacgacatgt | 240 |
| ggccggggctc | gccgcaggag | aaggattcgc | cctcgacctc | gcggtcgggc | gggtccagcc | 300 |
| ggctgtcgtc | gcggtctagg | agccgctctt | tttcagaag | ctctcgggtc | cattcccgcg | 360 |
| tctcgagccg | gttttcgtcc | aggagtgcga | ggagcaagtc | cagggtcccgt | tcccgaaggc | 420 |
| gccaccagcg | gaagtacagg | cgctactcgc | ggtcatactc | gcggagccgg | tcgcgatccc | 480 |
| gcagccgccc | ttaccgagag | aggcgctacg | ggttcaccag | gagatactac | cggctctcctt | 540 |
| cgcggtaccg | gtcccgggtcc | cgtagcaggt | cgcgctctcg | gggaaggteg | tactgcgga | 600 |
| gggcgtacgc | gatcgcgcg | ggacagcgct | actacggctt | tggtcgcaca | gtgtaccgg | 660 |
| aggagcacag | cagatggagg | gacagatcca | ggacgaggtc | gcggagcaga | accccttttc | 720 |
| gcttaagtga | aaaagatcga | atggagctgt | tagaaatagc | aaaaaccaat | gcagcgaag | 780 |
| ctctaggaac | aaccaacatt | gacttgccag | ctagtctcag | aactgttcct | tcagccaaag | 840 |
| aaacaagccg | tggaaatagg | gtatcaagta | atggtgcaaa | gcctgaagta | agtattctag | 900 |
| gtttgtcgga | acaaaacttt | cagaaagcca | actgtcaaat | ctgattagcc | acttatatct | 960 |
| tagactatac | tttttgggaa | gtctagagat | gtatataatg | tgctaaattc | aaagtagcaa | 1020 |
| atctgaagat | aggcaatgtc | aaacccatga | aaatgggaga | ttaatgagct | ttatttggcc | 1080 |
| gtgcatggtg | cctcatgcct | gtaatgaggc | agatggcttg | agtccaggag | ttcaagacta | 1140 |
| gcctgggcaa | tgtggcaaaa | ccgcgtgttt | acaaaaata | caaaaattag | ccaggcatgg | 1200 |
| tgggtcatgc | ctgtagtccc | agctgttttg | gaggctgagg | caggaggatc | tttgagccta | 1260 |
| ggatgctaag | gttgcagtga | gccaagatgg | caccattgca | ctctagcctg | ggcagcagag | 1320 |
| cgagaccctg | tctcaaaaaa | tacatttatt | tttttcattt | tcagttaaca | gtgtactctt | 1380 |
| ataacaccgt | tattagctgg | tactttgggtg | atttctatta | ctagtttttc | taagctattt | 1440 |
| acagagtgtt | tgtagctttc | atgtgcagca | ttatgttccc | acaaattctg | tactcagcat | 1500 |
| atacagtata | gtttatctgc | tctatttctg | tcttatagaa | atcatgaatg | tggctctgcag | 1560 |
| acattgatga | agaaaatctg | ttggtaattg | atacatgggc | taaagcatca | gaggtttaat | 1620 |
| ttgaagttta | tgttcacaca | ctgaaaactt | agtttttttg | ttggtagatc | catgtgcag | 1680 |
| ctagaatttg | ggacaggcac | tatttgcata | aagtattaaa | gtcaattttt | aaactaagca | 1740 |

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|------|
| aaggtacacg | ttgtaacggt | ggggcatctg | tgaaaaagat | gtccctttca | taatatatgc | 1800 |
| aatatattcc | agatgttttg | agagattaca | gaagaggagg | cctgcttcac | ttgcagctgt | 1860 |
| cggaaaaggt | aacagaagat | ggaactcgaa | atcccaatga | aaaacctacc | cagcaaagaa | 1920 |
| gcatagcttt | tagctcta | aattctgtag | caaagccaat | acaaaaatca | gctaaagctg | 1980 |
| ccacagaaga | ggcatcttca | agatcaccaa | aaatagatca | gaaaaaaagt | ccatatggac | 2040 |
| tgtggataac | ctttgggtcca | tctgtgctat | ctctcatatc | tgcaagagaa | acctaaaatg | 2100 |
| ttaatatttg | agtgttaagt | atttacatct | ttttgtgttg | gtttttaaat | gcacaagtac | 2160 |
| ccctgaatgg | ctcaaaggga | tgggataatg | ctagaaacac | taacttgcaa | taaagtgcag | 2220 |
| ttttcatgca | aacttagcca | tcagttttct | tcttttagat | aggatatccac | agtcacatag | 2280 |
| gacttttttt | ctgatctatt | tttgggtgatc | ttgaagatgc | ctcttctgtg | gcagcttttag | 2340 |
| ctgatttttg | tattggcttt | gctacagaat | tattagagct | aaaagctatg | cttctttgct | 2400 |
| gggtagggtt | ttcattggga | tttcgagttc | catcttctgt | taccttttcc | gacagctaga | 2460 |
| caggtttaaga | aaaagtgtaa | ttttaaaaca | catacccttg | gtttctaaat | cctatatata | 2520 |
| aaaatagcct | aattgtaaac | aaaatttagc | tgtagacaca | aaaatcaact | tggatctaac | 2580 |
| agcctaagta | acagaactat | tgagttttcc | ccttaacaaa | actgatttaa | tattaggctt | 2640 |
| aagacactct | tcccataatt | attttacttc | cctgctggca | aatttaaact | aattttttta | 2700 |
| tcagttttct | caggttgaat | caagttcact | tttgaaatgt | aaagccacat | cagaaaatac | 2760 |
| gttttaagaa | actaaggcat | ttgccagtta | ggcaccta | cgtctgaaca | aagaccttgt | 2820 |
| ctactaatac | tgagcaaacc | cacatctggg | cccaattaca | cagattcatt | tagatacagc | 2880 |
| atTTTTTTTT | ttttaagccc | ccgagacggg | agtcttgctc | tgtcacccag | gctggagtga | 2940 |
| aaagtacagt | gcaatttgct | aatgcacatc | ctgcacattt | ctggagaatt | ataataaact | 3000 |
| tatctgcaag | tgaagcaggc | ctcctcttct | gtaatctctc | aaaacatttc | aggctttgca | 3060 |
| ccattacttg | atacacctat | tccacggctt | gtttcttttg | ctgaaggaa | agttctgaga | 3120 |
| ctagctggca | agtcaatgtt | ggttgttctt | agagtttgcg | tgcatgtgtt | tttgctat | 3180 |
| ctaacagctc | cattcgatct | ttttcactta | agcgaaaggg | ggtntctncc | gcgacctcgt | 3240 |
| cctgga | | | | | | 3246 |

<210> 7517

<211> 2343

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (261)...(1713)

<223> similar to gi5823965 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7517

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|-----|
| ggtggagtga | cagccggagc | ccgggcgccg | gcgcggggct | cggtgacagc | ggaggcgggc | 60 |
| gcccgggcg | gacgaggag | cgccgcggc | gccgacggcg | ggcggaagg | gcggacgggg | 120 |
| cgggcctccc | tgggtggcag | gggcccggagc | aggccgggag | caggtggcgg | gcacagcttg | 180 |
| cgggccaggc | accgaactt | gcgacaagtt | gccggagccg | cggggcgcg | gcggcgga | 240 |
| gattgacctt | cagagcgagg | gagccagcgc | cggcagccac | catggcgta | cgcatagggt | 300 |
| tgcgcatgca | gctcatgcgg | gagcaggcgc | agcaggagga | gcagcgggag | cgcatgcagc | 360 |
| aacaggctgt | catgcattac | atgcagcagc | agcagcagca | gcaacagcag | cagctcggag | 420 |
| ggccgcccac | cccggccatc | aatacccccg | tccacttcca | gtcgccacca | cctgtgctg | 480 |
| gggaggtgtt | gaaggtgcag | tcctacctgg | agaatcccac | atcctaccat | ctgcagcagt | 540 |
| cgcagcatca | gaaggtgcgg | gagtacctgt | ccgagacct | tggaacaag | tttgctgccc | 600 |
| acatcagccc | agcccagggc | tctccgaaac | ccccaccagc | cgctcccca | ggggtgcgag | 660 |

| | | | | | | |
|-------------|-------------|------------|-------------|------------|-------------|------|
| ctggacacgt | gctgtcctcc | tccgctggca | acagtgtctc | caatagcccc | atggccatgc | 720 |
| tgcacattgg | ctccaaccct | gagagggagt | tggatgatgt | cattgacaac | attatgcgtc | 780 |
| tggacgatgt | ccttggctac | atcaatcctg | aatgacagat | gcccacacag | ctacccctgt | 840 |
| ccagcagcca | cctgaatgtg | tacagcagcg | acccccaggt | cacagcctcc | ctggtgggcg | 900 |
| tcaccagcag | ctcctgccct | gcggacctga | cccagaagcg | agagctcaca | gatgtctgaga | 960 |
| gcagggccct | ggccaaggag | cggcagaaga | aagacaatca | caacttaatt | gaaaggagac | 1020 |
| gaaggttcaa | catcaatgac | cgcatcaagg | agttgggaat | gctgatcccc | aaggccaatg | 1080 |
| acctggacgt | gcgctggaac | aagggcacca | tcctcaaggc | ctctgtggat | tacatccgga | 1140 |
| ggatgcagaa | ggacctgcaa | aagtccaggg | agctggagaa | ccactctcgc | cgcttgagga | 1200 |
| tgaccaacaa | gcagctctgg | ctccgtatcc | aggagctgga | gatgcaggct | cgagtgcacg | 1260 |
| gcctccctac | cacctccccg | tccggcatga | acatggctga | gctggcccag | caggtggtga | 1320 |
| agcaggagct | gcctagcgaa | gagggcccag | gggaggccct | gatgctgggg | gctgaggtcc | 1380 |
| ctgacctga | gccactgcca | gctctgcccc | cgcaagcccc | gctgcccctg | cccaccagc | 1440 |
| caccatcccc | attccatcac | ctggacttca | gccacagcct | gagctttggg | ggcagggagg | 1500 |
| acgagggctc | cccgggctac | cccgaacccc | tggcgccggg | gcatggctcc | ccattcccca | 1560 |
| gcctgtccaa | gaaggatctg | gacctcatgc | tcctggacga | ctcactgcta | ccgttgccct | 1620 |
| ctgatccact | tctgtccacc | atgtcccccg | aggcctccaa | ggccagcagc | cgccggagca | 1680 |
| gcttcagcat | ggaggagggc | gatgtgctgt | gacctggct | gcccctgtgc | cagggaacag | 1740 |
| gggcccggcct | gggggctggg | agggccaggg | gcacctccct | cccacccttc | aggctgcact | 1800 |
| gtgtgtgaag | tagccacctg | ccctgcctcc | ctcctccccg | ttggcccctg | tttggaacta | 1860 |
| gtgcctgtct | ggcagcctgt | ggggtcagga | gaagcacccc | cagggcagcc | cttttgactg | 1920 |
| gcgcagtggg | aagaggccct | cagcccctct | cccggagatg | gaatcgcggg | gcagggaggg | 1980 |
| gcaggggtgt | ctaaagggtga | gaagagggcc | tgggtggagat | tcctgtctt | ctgagcccga | 2040 |
| gcccctcatt | accagtgaga | ggacatgctt | gaggggttcg | ggaagctcct | catctgaggc | 2100 |
| aactggtcct | gggggtgctc | aggcctgcct | ttttgggact | cagatggcag | gaggtccacc | 2160 |
| ccgcagcctg | gtcctcggct | ctcccacagg | tgggcacccc | ccactttggt | gctaatagct | 2220 |
| ctccaccagg | tggtgtgagc | gcgggggctg | ccagaagcgg | gaggggtcac | tgccggaaga | 2280 |
| gcagctgccc | tccgaccctt | cactttgtgc | ctttagtaaa | cactgtgctt | tgtaaaaaaa | 2340 |
| aaa | | | | | | 2343 |

<210> 7518

<211> 1322

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (280)...(681)

<223> similar to gil710243 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7518

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-----|
| ctgaggggaga | gactgaggtg | catcagatgg | cagtggtaac | caaaccagtt | cccttgccgt | 60 |
| gggtggggac | acaggagaag | cacggaagca | tctggaactg | agcaatcagg | acaggaggct | 120 |
| caagcctggg | tgagtcagga | gtccgggggc | tttcttttca | tccaacccat | tgtctgctgg | 180 |
| tgtctcgga | aaagccagcc | agccagccgt | ggcccttcac | cgttcttcag | actctagggg | 240 |
| gagcccagcc | cagcgacaca | acagaaacca | agtgccacgg | gggcccgtgt | cctccaccag | 300 |
| cattttcct | ctggtcacat | ctacgtcctg | atgggacttc | tcctcctcc | ttggaccatc | 360 |
| agctttacag | tccagaccac | cctgcagcca | cccggtggtc | tcccagctgc | cccagtctcg | 420 |
| ggcaggatgg | cttttgagcc | tgttgggaga | gaccttgcca | ggagaatggt | gcccagggca | 480 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| ggcaagagga | cacagactct | gggagctaga | agagttgcgg | cccagggggc | caggccactc | 540 |
| ccagaggaca | ggaggcccaa | aagcggggaa | aggctccatg | ttacggtggc | cccatgctgg | 600 |
| gagtttgtgc | tgccttctgt | ctccctgact | gccaagcgt | ggggtggtgt | ggggcaggag | 660 |
| gcatectctg | gtgttcccta | gcagcccagg | ctgtgtgcag | gggctcccat | tttgtgtctc | 720 |
| agctgcaaga | aggccacaaa | gggaggaggg | gctcatggga | ctgctgagaa | gaaggtgtgc | 780 |
| agaaaggag | tgtggcccta | gatcagtcct | ttaaaaagcc | tctgttacct | gaaaggaggt | 840 |
| caagcagaga | ggaatggctg | cgtgtgtgtc | ctaccgggca | ggacaggaca | gagggaggtc | 900 |
| attgttacac | acacatcccc | cctcctttcc | tccttccctc | ccacttccct | gtgaaggcct | 960 |
| gaggcaggct | gtggccaggc | tcaggccctg | actgtggggg | acataccagg | gagggccacg | 1020 |
| cctccccaca | gacgggggtg | agtggtcagt | ggagccagca | ccctctgctg | cgttcagcat | 1080 |
| ctccgcctgg | agccagctgt | ccccctctct | tcaggctcca | tccgaacaaa | aggaaggcag | 1140 |
| agcctgagat | ccggcacccc | atccccctcc | actcagcact | gagttagagc | tgggtggggg | 1200 |
| catgtctgcc | ttcacacgct | gccttatggc | ttctgtgtct | ccaacagccc | tcagcctctg | 1260 |
| gctgctctcc | ttcccaatag | tcacaagatt | taccatgata | ataataggtt | aagacttgaa | 1320 |
| aa | | | | | | 1322 |

<210> 7519

<211> 1682

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (40)...(1299)

<223> similar to gi6010114 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7519

| | | | | | | |
|------------|------------|------------|-------------|------------|-------------|------|
| tccctggctc | gcctcgcgcc | tgccggcgga | tccgtgggtc | tgccaaccca | gcagccggct | 60 |
| gcgccgagta | ctcgtgcccc | caaaccctcc | cggagtctct | ctggctcact | ttgtgccctg | 120 |
| ttttctgatg | cagactcggg | atccgggatg | aaggcggagc | ttccccctgg | gcctggggca | 180 |
| gtggggaggg | aatgaccaa | agaagaaaag | ctgcagcttc | ggaaggaaaa | gaaacagcag | 240 |
| aagaagaaac | ggaaggaaga | aaagggggca | gaaccagaga | ctggctctgc | tgtatctgca | 300 |
| gccaatgtc | aaggcccaac | cagagaactg | ccagaatcgg | gcattcagtt | gggcactcct | 360 |
| cgggagaaag | ttccagctgg | tcggagtaag | gccgaacttc | gggctgagcg | tcgagccaag | 420 |
| caggaggccg | agcgggccct | gaaacaggca | agaaaagggg | aacaaggagg | accacctcct | 480 |
| aaggccagcc | ccagcacagc | tgagaaaacc | ccctcaggag | tgaagcgtct | ccctgagtac | 540 |
| cctcaggttg | atgacctact | tctgagaagg | cttggttaaaa | aaccagagcg | tcaacaggtt | 600 |
| cctacacgaa | aggattatgg | atccaaagtc | agtctcttct | ctcacctacc | ccagtacagc | 660 |
| agacaaaact | ctctgaccca | gtttatgagc | atcccatcct | ctgtgatcca | cccagccatg | 720 |
| gtgcgactcg | gcctgcagta | ctcccagggc | ctggtcagag | gctccaatgc | cgggtgtatt | 780 |
| gccctgcttc | gtgccttgca | gcaggtgatt | caggattaca | caacaccgcc | taatgaagaa | 840 |
| ctctccaggg | atctagttaa | taaactaaaa | ccctacatga | gcttcctgac | tcagtgccgt | 900 |
| ccccgtctag | cgagcatgca | caacgccatc | aagttcctta | acaaggaaat | caccagtgtg | 960 |
| ggcagttcca | agcgggaaga | ggaggccaag | tcagaacttc | gagcagccat | tgatcgggtat | 1020 |
| gtgcaagaga | agatttgtct | agcagctcag | gcaatttcac | gctttgctta | ccagaagatc | 1080 |
| agtaatggag | atgtgatcct | ggtatatgga | tgctcatctc | tggtatcacg | aattcttcag | 1140 |
| gaggcttgga | cagagggccg | gcggtttcgg | gtggtagtgg | tggacagccg | gccatggctg | 1200 |
| gaaggaaggc | acacactacg | ttctctagtc | catgctggtg | tcccagcctc | ctacctgctg | 1260 |
| attcctgcag | cctcctatgt | gctcccagag | gtaagtacag | aggaaaagga | ctccaaagtt | 1320 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| ggcgggtgaaa | aggtgtagta | gtatagacat | aatctcacct | tcccaaagtt | acagttttgt | 1380 |
| ttttgttttg | agataaggat | ggagtgcagc | gacgtgatca | cagctcgctg | cagtcttgac | 1440 |
| ctcctgggct | cgggtgatct | tcccacctcc | gcctctgagt | ggctgggact | gctgggtgtg | 1500 |
| gccaccatgc | ccagctagtt | ttttattttt | cttgtagaga | tgggatatcg | ctacattgcc | 1560 |
| caggctggaa | ctcctgggct | caagcagttc | cccctgtctc | ggcctcccaa | agtgctggga | 1620 |
| tcataggcat | gagccactgt | gccagccac | aattatttta | acatattaga | attatatagc | 1680 |
| cc | | | | | | 1682 |

<210> 7520

<211> 1136

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (399)...(644)

<223> similar to gi4981903 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|-------------|------------|------------|------------|-------------|-------------|------|
| <400> 7520 | | | | | | |
| ggcgggcgccc | atgtaaccgg | gtccgtgccg | caaagcgaac | gggggcccgg | gcgcggggccc | 60 |
| cgcggggggtt | agaggtcacc | atgctgaggg | tcgctgggag | gacgtgagt | ttgattcgga | 120 |
| cccgggcagtc | taccaggtc | ctagtaccgg | ggctgccggg | cgggtgggagc | gccaagtttc | 180 |
| ctttcaacca | gtggggcctg | cagcctcgaa | gtctcctcct | ccaggccggc | cgcggatatg | 240 |
| tcgtccggaa | accagcccag | tctaggctgg | atgatgacc | acctccttct | acgtgtctca | 300 |
| aagactacca | gaatgtccct | ggaattgaga | aggttgatga | tgtcgtgaaa | agactcttgt | 360 |
| ctttggaaat | ggccaacaag | aaggagatgc | taaaaatcaa | gcaagaacag | tttatgaaga | 420 |
| agattgttgc | aaaccagag | gacaccagat | ccctggaggc | tcgaattatt | gccttgtctg | 480 |
| tcaagatccg | cagttatgaa | gaacacttgg | agaaacatcg | aaaggacaaa | gccacaaaac | 540 |
| gctatctgct | aatgagcatt | gaccagagga | aaaagatgct | caaaaacctc | cgtaacacca | 600 |
| actatgatgt | ctttgagaag | atatgctggg | ggctgggaat | tgagtacacc | ttccccctc | 660 |
| tgtattaccg | aagagcccac | cgccgattcg | tgaccaagaa | ggctctgtgc | attcgggttt | 720 |
| tccaggagac | tcaaaagctg | aagaagcgaa | gaagagcctt | aaaggctgca | gcagcagccc | 780 |
| aaaaacaagc | aaagcggagg | aaccagaca | gccctgccaa | agccatacca | aagacactca | 840 |
| aagacagcca | ataaattctg | ttcaatcatt | tctttctgtc | ttgaagaatg | ataggagaga | 900 |
| tgatggggct | ctttttggcc | tgaagaggag | aaggaattta | ttctttcatt | cagctctgag | 960 |
| atcccagagt | tttctgaggc | agagtccctg | cctcaccac | cagaggatac | acactcatga | 1020 |
| catgcctccc | acacactcat | acaacaagt | acctgtcatc | caggtgatgt | gtgtcagtgg | 1080 |
| aggcaagaca | gagcatgtga | cagcacagt | gaagtgtggc | cggctgggta | ggaaga | 1136 |

<210> 7521

<211> 1028

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (902)...(285)
 <223> similar to gi2650133 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7521
 tttttttttt ttaaagtga ttaattttatt gattcatcca ttccataaat gtgagctcct 60
 ttgaatgtta tccttgctgg ggggatctgt gccccaggc ctggcgggct gtcacaggcc 120
 aaggcctccc cacaggagcc ctgtgggttac agagctgcag gctcaaggag cccatgggtc 180
 agagaggcaa ggctgggctg ctgggtttgct tcaggctgta gggggtgagt ggggtggaggc 240
 aatgggagcg gcccttgcc ccagcttgcc tcagctcttg gagtaacgcc tctgcagcga 300
 ttcccggtag aaacggaaga cgtgttgcca agcggcctgg gccgcagcca ggcactgctg 360
 gagctcagtg tctgagtaga gcccttggt gctggacatc agcagcttcc gttccacgct 420
 gtccagggca aaggtcagga ctgcccgggc ctcttttct tgcctggatg taggatccag 480
 cacgagggtc ccatcagagt ccaggcgcca ggccagccca cagaagagag cccgcatggg 540
 cacacctgca tccaccaatg ccatgcaggc ggcattcaga caacaggcca ggagagagcc 600
 ggcactgctg acaacctgca gcaccacggg gatggagggt cggggggtgca acgtgcccag 660
 caccaccgcc tcgcacgtgt tctgatcag ccgctcccg ctcttctctg caacaccagg 720
 cagcccaatc ttgggcctca ggatcacttc gagtgtggcc ttgttgaaaa tctctttgct 780
 gaccttcacc tcggccggcc cgtacacacc cgccaggaca gaggtgtcac cttgcaggaa 840
 ggaagcagag ccatctggcc gcgacagcag gttctgttcg caggcaaaagt gccggaggct 900
 gcagccagga ccccgagggc tggaccctgt tccattttca gcacggattt tggcgtcagt 960
 atgcactctc tctccatcg cgccgagccc acgtgcggct gcagttgtca cttccgcgga 1020
 cgcgtagg 1028

<210> 7522
 <211> 2618
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2619)
 <223> n = a,t,c or g
 <220>
 <221> misc_feature
 <222> (2562)...(352)
 <223> similar to gi1050517 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7522
 tttttttttt ttaaagggtat caaaggcctt tattgattta attttccttt caacttatca 60
 atgctatcac aaattctaag gaaacaggac ttgggcaaaa ttttttatta tgaagataca 120
 gatctaagaa cagaaggata attatgtgct agcttatata tagttccttg taaaaataat 180
 gatacatgaa aaattagtag aaaatgaaaa tctgcagtta tctgatatct gaaaatgtta 240
 agcaatttcc cctgcactct agttctaata acttttgcag aataatcaag catatttggg 300

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|------|
| tgaagagagt | atttaaatgat | tccatttttta | ttaaatagtgt | agtgtgccct | tcagagcttg | 360 |
| gcgtagtctt | taagaatcat | ctgaagtttc | tggctcagca | tgatgttccc | tctggccttc | 420 |
| agcctgccac | taaagaatgc | cttctgaggg | tcaagcttgc | ccaggaccac | ctccatgaaa | 480 |
| tcttcacctg | aaagtatgat | tgttgatatca | gcagcacctt | ttgcagggcc | ttggtacact | 540 |
| tttccagaac | cacttttcag | gtcaatagtc | cacttagccc | caatatttcc | gcctttgggt | 600 |
| atatgccact | caaatacagc | atttactttc | ttcaccacct | caggcccaat | atcctttagg | 660 |
| cggcgtccta | tttcctcaaa | tacaaaggta | ctctgaagct | tcccgccctc | agaggggtgc | 720 |
| ttagctgaag | taccagatgt | tggtgcaaga | tccacatatg | catttgaaat | gacaatgtct | 780 |
| ccagtttctt | ggaccttggt | ttgaaaatga | attctgtttc | cttccttcca | catctcagtt | 840 |
| tgtagagttt | gtcctggata | tactggtttt | gcaaaacgag | ccttaattgc | cttgaatctt | 900 |
| gacacatcat | tatctgcaaa | ctgctgtaac | acacgcctgg | cagaaaaatcc | aaatgtacat | 960 |
| aatccatgta | atatgggctt | gtcaaaacct | gctagactag | caaagttagg | atcaatgtgt | 1020 |
| aagggattcc | agtctccact | gaggcggtag | aaagcagcct | gattaagaga | gggtggtatct | 1080 |
| gtaagtacag | catcaggagg | tctattaggt | atggctacag | ctaccttgac | tttgtctgat | 1140 |
| gtccgttttc | caccaaagcc | tccagagcca | acaagaaaga | gagagaactg | attgtggcat | 1200 |
| ataagttcct | tctcagaata | agaatagaca | tccataataa | tactacacc | ggatccttta | 1260 |
| tctaggacat | cagcaacaac | tgcttcacat | tttaattttc | ctgctctggg | aagtgggtta | 1320 |
| tataactcta | agtactgctc | tccatgaaga | acctttgcaa | agttgattga | aagtcacagga | 1380 |
| atctctgcta | atcctccacc | catcatagat | ttctgacctc | tgataactcc | gaaggtgggc | 1440 |
| aaacaggaga | aatcagaact | tccttcataa | ataaatttca | aatcttttgg | atccttgatt | 1500 |
| gacgtcccca | ctccaagggc | atacataata | gcttccagtt | ccgtataagc | ataagaaaat | 1560 |
| ggagggagtt | tctggccaat | agctccagca | aatcctgatg | ttgctgtaga | cgttgcacga | 1620 |
| ctagtatgat | ttgctgaaac | tcctccttct | gaatctatct | tactcagaac | ttcaattata | 1680 |
| ctgccagttg | attcttggat | actctgagge | ttgctggcat | tctcaaagtc | acagatcttc | 1740 |
| ttccagttag | ccttgactgc | ctcaggagtc | attgggtgat | tcttttgtct | tacaatagct | 1800 |
| ccaagagtcc | gctcccagcg | taattttcca | atccatcctg | ctccaacctc | aaacaagcca | 1860 |
| ccattctcct | cacaactctc | gtgacaaagc | caaaggacaa | gaggtgccac | atactctggc | 1920 |
| ttcagggcct | ccacaagatc | ttcaggcata | actgtctgag | tcattccgtga | tcccgcatta | 1980 |
| ggagcaatgg | tgttacaatg | aatgttgctt | ttcctgcctt | caattgcaag | agaatttgca | 2040 |
| aggcccagaa | gacccaactt | tgcagcacta | taattggcct | ggccaaagtt | gccatatatt | 2100 |
| cctgaagctg | atgaagtcac | aataatcctt | ccatacttct | gtttcttcat | gtgttcccat | 2160 |
| gctgcccgtg | tcacttggaa | tgaaccccg | aaatgaactc | tgtggattat | atcccagttc | 2220 |
| tcatcactta | tcctagcaaa | ggaacgatcc | ctcagaattc | cagcattggt | gaccacaaca | 2280 |
| tctattcttc | caaaagcatc | cagggctgtc | ttcacaaact | tctctccttc | ttccactgaa | 2340 |
| tcatagttag | ccactgcttt | tccacctctc | cttcttattt | cttcaacaac | cttatcagca | 2400 |
| gctaaggagc | ctttaccaac | tcctttgaag | tcccctccca | aatcattcac | aacaactaac | 2460 |
| gctcctcttt | ctgcaaaagc | cagggcatag | gctcggccca | atcctgcccc | cgcgcgggtg | 2520 |
| accagtacca | cccgcctctc | gaacctcagc | ggtgagccca | tgaataaggc | ctgcaacgac | 2580 |
| acacacacga | acaagcagag | ccgctggagc | cgacntgg | | | 2618 |

<210> 7523

<211> 1887

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1759) ... (1324)

<223> similar to gi3264583 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7523
gcgtcgacga gaccgagctct tgctctgttg cccaggctgc tggagtgcga tggcgcgatc      60
tcggctcact gcaacctcca cctcctgggc tcaagtgatt ctcccgcctc agcctcccga      120
gtagctggga ttacaggcat gcgccaccac gcccggctaa tttttgtatt tttagtagag      180
acggggtttc tccatgttgg tcaggctggt ctcgaaactcc ggacctcagg tgatccacct      240
gcctcagcct cccaaagtgc taggattaca ggctgagacc accgtgccgg gcacgtttcc      300
tttaaagagc tttttttttg tttatttttt gagacggagt ctactctgt caccaggct      360
ggagtgcaat ggtgcaatct cagctcactg caacctccac ctctgggct caagcgattg      420
tcctgtctca gcctcctgag tagctgggat tataggcaca caccatcatg cccagctgat      480
ttttgtattt tttagtagag atgggggttt caccatgttg gccaggctgg tctcaaactc      540
ctgacctcag gtgatccgcc tgccttggcc tcccaaattg ctgggattac aggcattgagc      600
caccacaccc agccagatgc tgttagcttc aaactaactt tcctaagtta actttatatg      660
tatatgtaca catataaatt ttctaagctt tcaaatgtt tggataaaaa acaattattt      720
tgcaaatctt caactgggca gatggttggg gtctgaaata gaaataaata aaagcaaagc      780
aaacaaaata ttccaaagtg atagagaatg tccacaagct acttaacaac atgaattcaa      840
ggtagagtga aaaaccagtg gtcttctctc tcattctcag gtcaataatt tagaaaaaat      900
cccttcagtg ctactaagct tcaggctttg taatgaggac tgaaaattcc aggggaaagg      960
aagagaaaaga gaaaggaaaag aaatgagctc atgcaaagat caacatatca ttttattaat     1020
tctgattcct tttatcatgt gcttttttat acaaagcact ttcaaataca ttacattatc     1080
ttaaatatat aataggagt tcttttcggat tcagtttaaa aatgacaaat agcattcggt     1140
gtgcccagt tagaattaca ccaaaattac catgtgctgg cacataccat catccactg     1200
gtggctggaa aactgggttg caggagtgtc tgtcactgag atggggccacc accccagtgg     1260
ccatatggta gagatgaggg aaggatggac tagaagcaag ctgggtcttc tgggtcgtct     1320
ctactccttt ttcacttcat caccgttttc cccactgagc ttgaacacag gaatctgctg     1380
accatccttg agctctaaaa agacctcgtc aagggtgccac ctctgaaagg ggccacctct     1440
ggatgagtgg acgtagagaa ggccctctga tttggatcca gagacaggaa tcttcaactt     1500
ggcatcaaca atgtccacga agttttccct gtcgatgagc ttgagataat ggatgttgag     1560
aggaggggcc agagcttcc tgcctcggg atggctctgc agctgctcca ctgccaactt     1620
gtaatataaa gccctggaat gaaacttttg aatgaggtaa tacacaatgg caaagcccc     1680
ggcatagaac acaccgtgga aaaggatcct tgctccaga ggcatgacc gcctgcttcc     1740
tgcatacttt tgccacatca tagcacaact ctcttgaaaa tcatcaaagg caagttgtcc     1800
tgtgagcaac agaagcacca cgctacaaag agcatgacga gttcttccag gcttgggaaa     1860
gcacgggtaa atgcccgcgg tcctgctg

```

<210> 7524

<211> 2811

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (324)...(2232)

<223> similar to gi4902608 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7524

```

ggtgtgactg aagaaatata aaatgtttcc ctagtaagac agcaactcag gactctagga      60
tggaagaagg tgtctgaccg taaattacac ctgcagtgc accagcagac taatggggat     120
gaggttctgg tacaagatga tgaacaccag tatgtcagac aatgacttgg gagctggaat     180

```


| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| caaggacatg | accaagagca | gcaagaacaa | aagggagact | gacacattga | tcactttctc | 240 |
| aacctttgat | ctcttgagag | gatggttcac | at ttgagtaa | agacagggga | gtttgttttc | 300 |
| agaatgacat | actagtctgc | aggatgaatt | tcataactga | cattgcacct | tggactgcaa | 360 |
| ctaggacttt | cactggaatc | agagaaagag | ttttgaagaa | aactgggcat | aggctcagca | 420 |
| aaaccaaaca | gaagaggaac | agaaaaagaa | acaaaaagca | gaacagtcag | aatagaatca | 480 |
| tggaggaaaa | ctcattagaa | ttcttaagtg | atcttacacc | gggagatcag | gacccatctc | 540 |
| agagtgaaga | ggaagacatt | gaaaagacca | gaagagaatc | agaatatccc | ttcattgatg | 600 |
| gtctacaaaa | tgaagtcgga | gattttgtga | ctggatataa | agaaaaaaga | tggaaaaata | 660 |
| aagatcctaa | agacagtttc | caaaacgtta | tgtctatagt | tgaattagac | aacacaccaa | 720 |
| agaattacct | ctctaaggaa | ggtgataact | tgtttgtaag | tttgttactg | aggccaaatg | 780 |
| aaatctccgt | tacttgtcca | atactgactc | aaaacctttc | ctgtgtaaca | actgatgact | 840 |
| gctctggcat | gaaggtagaa | aagcatatta | gaaataggca | taccatagca | ttagacaccc | 900 |
| aggacctttc | tgcggaaact | tcattgcttat | ttatgaagaa | gagagaaata | gtagataaaa | 960 |
| atctctcaca | tgaacccatt | ctgtgccatc | aacatggaat | cagaatgtca | gataaagttt | 1020 |
| taagagagga | acaagtgtat | acaactaaaa | tcaatcactg | ggcttttttc | acaaccaatt | 1080 |
| tatctgatga | agatttacag | ctgggctctg | acagacagcc | ctat ttttgg | agctggcctg | 1140 |
| caggacctca | taagtttata | tgtgaacaga | gaccaaagaa | agatagagca | tgt aagttgg | 1200 |
| ctggctctga | cagcaggggg | caatggattc | aatgatctt | cacttcgggtg | gcagcatcag | 1260 |
| aaccaggaaa | caatccagaa | atattgacag | acaaactact | gataggaaat | gaagattttt | 1320 |
| cacctccacc | tgaactatg | gattcattca | tagaaacaaa | cctcttcaga | agctgcttac | 1380 |
| ctcaaccgga | tataccaaa | aatgccttag | aatcaacaaa | aaataagaaa | aggaggaaga | 1440 |
| aaaggatttt | caatttggtg | ccaaat tttg | acttattagg | acagagtcgt | atcgggtgta | 1500 |
| aagaaagggg | gaaatgtgac | ctgttaacaa | aaaaccatgg | actaaaaatt | actttggggg | 1560 |
| aagaaaaaga | tagaatttca | gaaaggaaca | gtgaagagga | gaataaacaa | aaacttatga | 1620 |
| cctttgatca | tcattccattg | tggttttacc | ttgatattat | caaagctacc | cctttaaata | 1680 |
| ttgatggaca | gcgttattct | cattgcctgt | catttaacag | actaagggtgc | tctgcatctt | 1740 |
| tatacaaaaa | ttatattcct | tcttttgtgc | tacataattt | atctagtatt | tgg aagccat | 1800 |
| cttttacaaa | caagaaactg | tttttgactt | tcgaatctca | gacaagagta | ggtaataaac | 1860 |
| taaatgatgc | agggtttatt | tctccagaaa | ttttacatag | tcattcctgat | acttcgtgct | 1920 |
| ctttgggagt | cacttctgat | tttcactttt | taaatgaaag | gtttgataga | aagctgaaaa | 1980 |
| gatgggaaga | acctaaggaa | ttaccagctg | aggacagcca | agacttaaca | agcactgact | 2040 |
| accgttccct | tgagctacca | ttatcacaag | ggtttgcctt | tcaattagta | aagctttttg | 2100 |
| gatctccagg | cgttccaatg | gaatccttgt | tgcctgatga | ctatgtgggt | cccttggact | 2160 |
| ggaagacact | aaagatgatc | tacttgcaat | ggaagatgtc | agtggagaaa | agacagaaga | 2220 |
| agattgggtg | aaaaatgaaa | attccttgaa | ctttgagttc | tgctgtcttc | atggtagtgc | 2280 |
| tgaagatcat | gatcacggag | aaaagtcaga | gtgctcagtg | ccaacccaag | ggattctttc | 2340 |
| cagagacgta | cccgttggat | accaaatta | gtttggataa | tctgttcaac | cattcttgat | 2400 |
| aagtatatctg | aataataaaa | aaactcaaca | gaggaggtta | caatttgagc | atttcattgt | 2460 |
| ctaatttgaa | gatgtatgcc | atactttgtt | tgatagaaga | aagtaaggca | cagaaaactt | 2520 |
| gagtacctta | tttttaaaac | tgcattagga | ttaaaagggt | agcccctata | tccaagtatt | 2580 |
| ggtctgagat | cccatttcta | gaattctgaa | atccaaaaag | ctctgaaaat | caatagttat | 2640 |
| ttttccaaat | gtattcattg | tggtaaaata | caccaatata | aaatttacca | tcttaaccac | 2700 |
| ttttaagtgt | gttataaata | cattcatgct | accatcacta | gcattccatct | ctggaactct | 2760 |
| tttcatcttg | caaaactgca | attctatacc | cattaacaaa | tgacccatag | c | 2811 |

<210> 7525

<211> 826

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(827)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (556)...(426)

<223> similar to gi3150527 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7525

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|-----|
| acgttctgga | gctgagcacg | gtgaggggga | gaagggagaa | ggggactctg | gcggcccaag | 60 |
| ccccacacct | ttgccccaga | gccacaggtc | ccacggagtg | tcacgtaatt | ccccacatcc | 120 |
| agaacagcta | cccatctcaa | accccaggag | tcaccagccc | ttgggccctc | acatccctgg | 180 |
| agcctcagcc | ccctccacac | acgtgctgtg | aatcataggg | ggatcaggat | actcctgctc | 240 |
| acagacaccc | atctccccct | acaaaaata | acgtgggct | cctccttcca | ccctgactct | 300 |
| gcctctctgt | ctgcaggagc | ctggtcgggg | tgctccacag | aagctgtgcc | tgggcttggg | 360 |
| agccaaggcc | atgtccctct | cccggccagg | ggagacggag | cccatccaca | gtgtcagcta | 420 |
| tggccatgtg | gccgcctgcc | agctaattgg | ccccacacc | ctggccttga | gggtgggaga | 480 |
| gagccagctc | ctcctgcaga | gccccagggt | gagtgagaag | aggagtgtgt | ggaggaggag | 540 |
| agaagggaag | cgatgtcagg | aagcatttac | agaacaccaa | acctgggcca | ggtagagctc | 600 |
| taagcactgg | ggatccagca | gtgatcacag | acaagctgaa | ggagcttaca | ctagagtgga | 660 |
| gtcagacaat | aaacaaggaa | tcccaggcta | tgaagacagt | gagaaatgct | acaaaggaaa | 720 |
| gagtgatgtg | acaggaagcc | aggggaagggt | tctcaaaaag | ggtgccattt | aagctagcca | 780 |
| gggaagannn | nnnnnnnnnn | nnnnnnnnnn | ngaaagaatt | gcaagg | | 826 |

<210> 7526

<211> 2393

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (280)...(2301)

<223> similar to gi4138922 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7526

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-----|
| tttcgtgcta | acctcgcagc | agagaggagt | tgagggcgat | gagagcgggt | actgcgaact | 60 |
| gccgggcat | gctgtcgctg | ccgcctgtat | acggagagca | acagttcccc | agcaacaccc | 120 |
| ctccccgaca | caggcacaca | ccccccgaca | ggcacgcaca | cccacccac | agtgcccggc | 180 |
| tcggctgcgc | ctcctctatt | ggcccaggaa | gcccacccag | ccccgccacg | cagagcccag | 240 |
| aaggaaagaa | agcctcatgc | ctgagccgag | gggagcacca | tggatctgac | aaaaatgggc | 300 |
| atgatccagc | tgcagaaccc | taaccacccc | acggggctac | tgtgcaaggc | caaccagatg | 360 |
| cggctggccg | ggacttttgt | cgatgtgggt | atcatgggtg | acagccagga | gttccacgcc | 420 |
| caccggacgg | tgctggcctg | caccagcaag | atgtttgaga | tcctcttcca | ccgcaatagt | 480 |
| caacactata | ctttggactt | cctctcgcca | aagaccttcc | agcagattct | ggagtatgca | 540 |
| tatacagcca | cgctgcaagc | caaggcggag | gacctggatg | acctgctgta | tgccggccgag | 600 |
| atcctggaga | tcgagtacct | ggaggaacag | tgctgaaga | tgctggagac | catccaggcc | 660 |

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|------|
| tcagacgaca | atgacacgga | ggccaccatg | gccgatggcg | gggccgagga | aaaaaaggac | 720 |
| cgcaaggctc | ggtacctcaa | gaacatcttc | atctcgaagc | attccagcga | ggagagtggg | 780 |
| tatgccagtg | tggctggaca | gagcctccct | gggcccattg | tggaccagag | cccttcagtc | 840 |
| tccacttcat | ttggtctttc | agccatgagt | cccaccaagg | ctgcagtgga | cagtttgatg | 900 |
| accataggac | agtctctcct | gcagggaact | cttcagccac | ctgcagggcc | cgaggagcca | 960 |
| actctggctg | ggggtgggcg | gcaccctggg | gtggctgagg | tgaagacgga | gatgatgcag | 1020 |
| gtggatgagg | tgcccagcca | ggacagccct | ggggcagccg | agtccagcat | ctcaggaggg | 1080 |
| atgggggaca | aggttgagga | aagaggcaaa | gaggggcctg | ggaccccgac | tcgaagcagc | 1140 |
| gtcatcacca | gtgctagggg | gctacactat | gggcgagagg | agagtgccga | gcagggtgcca | 1200 |
| ccccagctg | aggctggcca | ggccccact | ggcgacctg | agcaccagc | acccccgcct | 1260 |
| gagaagcatc | tgggcatcta | ctccgtgttg | cccaaccaca | aggctgacgc | tgtattgagc | 1320 |
| atgccgtctt | ccgtgacctc | tggcctccac | gtgcagcctg | ccctggctgt | ctccatggac | 1380 |
| ttcagcacct | atggggggct | gctgccccag | ggcttcattc | agagggagct | gttcagcaag | 1440 |
| ctggggggagc | tggctgtggg | catgaagtca | gagagccgga | ccatcggaga | gcagtgcagc | 1500 |
| gtgtgtgggg | tcgagcttcc | tgataacgag | gctgtggagc | agcacaggaa | gctgcacagt | 1560 |
| gggatgaaga | cgtacgggtg | cgagctctgc | gggaagcggg | tcctggatag | tttgcggtg | 1620 |
| agaatgcact | tactggtcca | ttcagcgggt | gccaaagcct | ttgtctgtga | tcagtgcggg | 1680 |
| gcacagtttt | cgaaggagga | tgccctggag | acacacaggc | agaccatac | tggcactgac | 1740 |
| atggccgtct | tctgtctgct | gtgtgggaag | cgcttccagg | cgcagagcgc | actgcagcag | 1800 |
| cacatggagg | tccacgcggg | cgtgcgcagc | tacatctgca | gtgagtgcaa | ccgcaccttc | 1860 |
| cccagccaca | cggtctctca | acgccacctg | cgctcacata | caggcgacca | cccctacgag | 1920 |
| tgtgagttct | gtggcagctg | cttcggggat | gagagcacac | tcaagagcca | caaacgcata | 1980 |
| cacacgggtg | agaaacccta | cgagtgcaat | ggctgtggca | agaagttcag | cctcaagcat | 2040 |
| cagctggaga | cgcactatag | ggtgcacaca | ggtgagaagc | cctttgagtg | taagctctgc | 2100 |
| caccagcgct | cccgggacta | ctcggccatg | atcaagcacc | tgagaacgca | caacggcgcc | 2160 |
| tcgccttacc | agtgaccatc | ctgcacagag | tactgcccc | gcctctcctc | catgcagaag | 2220 |
| cacatgaagg | gccacaagcc | cgaggagatc | ccgcccagct | ggaggataga | gaagacgtac | 2280 |
| ctctacctgt | gctatgtgtg | aaggagggcc | cgcggcggtg | gagccgagcg | gggagccagg | 2340 |
| aaagaagagt | tggagtgaga | tgataggaag | gactatgaca | aataaaaaaa | aaa | 2393 |

<210> 7527

<211> 1689

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (253)...(697)

<223> similar to gi4883435 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7527

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|-----|
| ctgggggtttg | ggggaccgag | ccgctccggg | ttcgggatgc | tgaggagacc | gcgggcccgc | 60 |
| gccagcctcc | cacacacaca | cactctcccg | ggcctcggc | cgccggggcg | cggtgtgcag | 120 |
| gggtgaggcg | gtgtctccag | gctgaggagg | gacgcggagg | agggtcgggc | gcggccccgg | 180 |
| gactggaggg | tgagtcctc | acaaagggcg | gagcggggct | gtcacctgga | gatcacggag | 240 |
| ggaagtccat | ccatgagctc | ggatttccca | cattacaact | tcaggatgcc | taatattgga | 300 |
| ttccagaatc | tgccctctca | catatatatt | gtgggtttttg | gtactgctat | atttgtcttc | 360 |
| atccttagtt | tactcttctg | ttgctacttg | attaggctaa | gacatcaagc | acacaaagaa | 420 |
| ttttatgcct | acaaacaggt | tatatataaa | gagaaagtaa | aagaattgaa | tttcatgag | 480 |

| | | | | | | |
|------------|------------|------------|-------------|-------------|-------------|------|
| ctctgtgcag | tgtgcctaga | agacttcaag | cctcgagatg | agttggggat | ttgcccattgt | 540 |
| aagcacgcct | tccacagaaa | gtgccttatt | aagtggctgg | aggttcgtaa | agtgtgtccc | 600 |
| ctgtgcaaca | tgccagttct | acagctggcc | cagttgcaca | gtaagcagga | ccgtggaccc | 660 |
| cctcaggggc | cccttcctgg | ggcagagaac | attgtatagc | ttaccgcaag | gatcagactg | 720 |
| ttgctggaca | cgacgtctgt | gtggagccag | gaggaacaca | tgtggtgtct | gtatggctgc | 780 |
| tctctaccta | ggacaccagc | tgccacttct | tttgccctcat | gaagaactct | tggggccagcc | 840 |
| aaactgggaa | cctaggtgtc | tgggtcttgt | gacaacccaa | gcacttttga | cactaccccc | 900 |
| tgcccagag | aagaggagt | ggatgagcct | gcgggttttg | cctcaaggaa | acttcatgag | 960 |
| ggtctcttac | taactccatt | acactctctc | tcctggagcc | tcactctccat | gtcaagcagg | 1020 |
| agggtaaaga | agggaactaa | gagcaggtct | ttcaagccac | acccccacct | gcggatggat | 1080 |
| gggtttctct | gtaggccatg | caggcctttg | tcgcagcaaa | ccttcccagc | agcccttgag | 1140 |
| ccaagtaaaa | ccagcacaac | cagccaccag | tggttggtga | ggcagtgccc | acaaggctca | 1200 |
| tgttgtatgc | ctttgataag | gccatcttgg | ctttgagtag | cagtgttcc | cgtcaccat | 1260 |
| ttccccctca | ggattacaac | acctgctatc | aatcatcta | agctgaaaac | atgagatg | 1320 |
| cttggaagg | cctagtcaga | agccatttcc | tcttatcatt | tccctctcct | atgcaccagt | 1380 |
| aaggcccgtc | cagagcccca | gcaggagtg | ggccctgagt | ccacactgtc | cctgagtgat | 1440 |
| ccaggaggct | gcccacatcc | ccacatgtgc | actgtggttc | cagtgtagct | gctgtgagcc | 1500 |
| cactgccact | gcctcagaag | ggagccactg | tgaacctctc | gagtggctcc | aaagagcagt | 1560 |
| ggctttttga | gaatggccca | tacttctggc | ccggctggat | gaagggaatg | ccgacccttt | 1620 |
| ggcctctccc | cctccttcca | tctcttctct | ctcttgcct | atctctcttt | ctacttcaga | 1680 |
| aaaaaaaa | | | | | | 1689 |

<210> 7528

<211> 2483

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2414)...(267)

<223> similar to gi5739208 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7528

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-----|
| tttggaacaat | gaaatccttt | taattgaaaa | gtatatataa | aatggcttta | gacataaaag | 60 |
| ataagtattt | tacattattt | cttctgttat | atctttacgc | tttgtgccag | aatttacttc | 120 |
| ttgcaactat | tcttgcttta | tctggaacag | tttactcgt | tattgaatat | ctattagtgt | 180 |
| ttaatataga | agagcttaat | aaaccgctaa | tccgaaaata | atggatttcc | cttgcttttc | 240 |
| agaccttttt | gctgaatatg | cttatttatg | tccaatgtgg | aaatctgatc | ctgttctctt | 300 |
| ccactctgcc | agcagttcct | tttgtactgc | ttctggtagt | tcataaaaa | cttgaggatc | 360 |
| aatgtcagaa | gggaaagtaa | ttttctcatc | aacagaatct | ggctctctat | tttctgtaag | 420 |
| tccttcatga | gagtctgttg | ctactgtttg | cttatggcta | tctgtagtgt | ggtttctgga | 480 |
| gaaaagttgc | tcactctgca | agtttggaag | tgaatgaaaa | gcagacacag | cagggtttga | 540 |
| atttgtaaag | tggaatcctt | gaggttcctt | aggctcctga | cttattcgtt | catcttttaa | 600 |
| tctattatct | aaataatatg | aataatcctt | ttggctagac | atgtaagaag | aactactgct | 660 |
| attaaagcct | gatgttcccc | gttcacaagg | agatacagag | gatacctgtt | tgctactgga | 720 |
| taaatgatct | ctaggattta | tgggaatatc | ttgcatttgt | tttttagaaa | agaaagataa | 780 |
| tactcctcta | gaggcatgta | atggacaact | cacacttcc | ttcccttgaa | atctttccct | 840 |
| agattttcca | gaaaggattt | cttcttgaat | atctactgga | agctgcttga | agacttcttg | 900 |
| gtcaacacct | tcaggaagtg | aacagagtgg | gaattcatta | atgtcttttt | ctttagaaaa | 960 |

| | | | | | | |
|--------------|--------------|--------------|--------------|--------------|--------------|------|
| at ttgtggt a | tct agtgg ag | act ccct agt | tct tgtact t | tca attcttc | cact tggtag | 1020 |
| gaa atccc gg | ttt gtttct t | tgt ctttgg g | aaa atcttc c | atat gagtgt | cttt catttt | 1080 |
| aaa actgtgc | ttg ccagagc | gtg aagtag t | tgata atgat | ggc attaaat | aata atcaat | 1140 |
| aag ccccttc | ttag cagtat | ttag tgcttt | aagg ttgcag | aag cacacac | ttaga aggggt | 1200 |
| aagg tgaat | ggc atcttc a | catt caccat | atttc gaaaa | agtt tcataa | gtatat caac | 1260 |
| catt ggggtc | atcac atcat | aatttc cctgt | cccta atttc | tga attacat | gtga aggaat | 1320 |
| agg gcactga | cgact ctcac | gacc atagt | cttct cagag | gaata ccgac | ggatt attaa | 1380 |
| tct cactgta | tgagg cttcc | tttcat cttg | gcata atctg | tttaaa agac | tagca agtag | 1440 |
| ttctt caatc | ttatt ttttag | cttca acttc | agat gaacat | tttttaaatg | aatcttcttc | 1500 |
| actaa aggac | tgagg tgggtc | ctg agagtat | cac aggggag | ttatc ctctc | caaaa actgag | 1560 |
| ctttt ggata | cgctg agcaa | ctg aaattcc | taatt ctttt | tctaaa attt | tgggt gaaaa | 1620 |
| ggttt ggaga | tcacg cacac | tatt gatacc | cagt gcttca | agac atttgg | cagtttt ata | 1680 |
| gccaa tacca | ggtattt cct | ttat gtgatt | caa actatga | ata agatgtt | gaca actttc | 1740 |
| aggt aataag | actgt tttgtt | gatt tgggtt | aaag acacca | gaa actaatt | ttgcca acag | 1800 |
| ttt attagaa | gcc actccag | cac agccagt | gag ccccaac | tgatt ataca | tggcttccc g | 1860 |
| catct ctgct | gca atctgag | atcca acaag | tagt ctgatg | tgca agacgt | caagc aggtt | 1920 |
| tata gactga | ttatt gtata | catg acccga | cac agtcacc | gcaga aaagt | catc actttg | 1980 |
| cagct gctgt | agtct cttct | caacc atttc | tgtt agatcc | acaaa atttt | catcaa atcc | 2040 |
| aagtctctca | aca actggac | taa attcttc | cagta attct | gta accttat | aagac atttc | 2100 |
| tctgt agcgg | gtc aggtctt | ctcc attaac | taata ccaac | tgtgg acaact | tttct ttttgc | 2160 |
| atctctgaca | ttcata agtt | tctta actcc | aagtttcccta | gcttcat agt | tgcagg taac | 2220 |
| caccaa atat | ttctgttgaa | ccc taaagg | tttgt ctttt | agctctggat | ttgag atcat | 2280 |
| ttctact tgt | gcataaaaagc | aatcc agatc | cacat gtact | atg actctgg | atga agcatt | 2340 |
| tgggtgtgggc | aac acttgat | catga actcc | ctgcg agctg | gctg ccgcc | ccacgtccgc | 2400 |
| cagttccatg | gccc aggcct | cggcgtcttc | ctcgtcgtcg | ccgcgcctt | cctcctccgg | 2460 |
| ctccaccccc | agcttctacg | aaa | | | | 2483 |

<210> 7529

<211> 3568

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (198)...(2017)

<223> similar to gi4768831 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7529

| | | | | | | |
|------------|-------------|-------------|------------|------------|------------|-----|
| tttcgtctga | ggtggcagca | ggggg cggga | cgcg cagcg | tatggcagag | ggcagcgggg | 60 |
| aagtggtcac | agtgtctgcg | accggggctg | ccaacggcct | caacaatggg | gcaggcggga | 120 |
| cctcggcgac | gaccagcaac | ccgctgtcgc | gcaagctgca | taagatcctg | gagacgcggc | 180 |
| tggacaacga | caaggagatg | ttagaagctc | tcaaggcact | ttcaaccttt | ttgttgaaa | 240 |
| atagtctgcg | gactcgaaga | aatttacgtg | gagatattga | acgtaaaagt | ttagccatca | 300 |
| atgaagaatt | tgtaagcatt | ttcaaggaag | tgaaggagga | acttgaaagc | ataagcgaag | 360 |
| atgttcaagc | aatgagcaac | tgttgtcaag | atatgacaag | tcgcctacag | gcagcaaagg | 420 |
| aacagactca | agatttaata | gttaaaacca | ctaagcttca | atctgaaagc | caaaaattag | 480 |
| agataagagc | tcaagttgca | gatgccttct | tatccaagtt | ccaactgact | tctgatgaaa | 540 |
| tgagtcttct | tcgagggtaca | agagaaggac | ccattactga | ggattttttc | aaggcactgg | 600 |
| gaagagtaaa | acagattcat | aatgatgtca | aagttctctt | gcgtacaaat | caacaaacgg | 660 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| cagggtttaga | aattatggaa | cagatggcct | tacttcaaga | aacgggttat | gaaagacttt | 720 |
| accgatgggc | tcaaagttaa | tgcagaacat | tgacacaaga | atcatgtgac | gtatctccag | 780 |
| tattgacaca | ggcaatggaa | gccctgcagg | acagacctgt | cttatataaa | tataccttag | 840 |
| atgaatttgg | aacagccaga | agaagtacag | ttgttcgtgg | atattattgat | gcgctcacaa | 900 |
| gagggggccc | cggaggtaca | cctagacca | ttgaaatgca | ttctcatgac | cctttgaggt | 960 |
| atgtaggaga | tatgttggct | tggtccatc | aagctactgc | ttctgaaaag | gaacaccttg | 1020 |
| aagctctctt | aaagcatgta | actacacaag | gtgttgaaga | aaatattcaa | gaagttgttg | 1080 |
| ggcatatcac | tgaaggtgtg | tgcaggcctc | ttaaaggttcg | aattgagcaa | gtaatagttg | 1140 |
| ctgaacctgg | ggcagtttta | ttatataaaa | tttctaattct | cctcaaattt | tatcaccata | 1200 |
| caatcagtg | tattgttgg | aatagtgc | ctgcattatt | gactaccatt | gaagaaatgc | 1260 |
| atgtgctaag | caaaaaata | ttcttcaata | gcttgagtct | tcatgcaagt | aaattaatgg | 1320 |
| acaaggttga | actcccacca | cctgatcttg | gaccaagttc | tgactaaat | cagacactca | 1380 |
| tggtgctg | tgaagtttta | gcattctcac | attcttcagt | tgtaccatta | gatgctcgtc | 1440 |
| aagctgattt | tgtgcaggta | ttatcatgtg | tcttgatcc | tctcctacag | atgtgtactg | 1500 |
| tatcagccag | caatttaggc | acagctgaca | tgccacttt | catggtcaat | tcactatata | 1560 |
| tgatgaagac | aacattagct | ctatttgaat | tactgacag | acgtctggaa | atgctacagt | 1620 |
| ttcagatcga | agcacatttg | gacacactta | taaatgagca | agcctcttat | gttttaacta | 1680 |
| gggtaggctt | gagttacatc | tataacactg | tacagcaaca | taaacctgaa | cagggctctt | 1740 |
| tagctaatat | gcccaccta | gattctgtga | cactgaaggc | tgcaatgggt | cagtttgatc | 1800 |
| gttatctgtc | agccccagac | aacctattga | taccacagct | gaactttctt | ctaagtgcc | 1860 |
| cagtgaagaa | gcagatcgta | aaacaatcta | cagaattagt | ctgcagagcc | tatgggtgaag | 1920 |
| tgtatgcagc | cgtgatgaat | ccaatcaatg | aatacaaga | tccagagAAC | attcttcacc | 1980 |
| gatcgccgca | gcaagtgcag | acgtctcttt | cctgattatc | ttatttcatt | gtgttagcaa | 2040 |
| aatatgacct | ccctaaaaca | ctgaaggtta | ttttttattc | tttgaatttt | tactctataa | 2100 |
| tttgatagtt | acagttttct | ttgtatcata | agattgtaag | tcccgataat | tttttttttt | 2160 |
| ttggtctcag | taacagggaa | gtaagtaaca | tggtgacctg | agctagtatt | gctgggtatc | 2220 |
| tactctaaag | gagatgatct | atttttttgc | tagccatctt | tccagctctg | cagttttcac | 2280 |
| tgttttcagg | aagcataaag | tagtatgaaa | ggtttgaaaa | atttttttta | caaaactagt | 2340 |
| tctaaattaa | cagcttataa | aaaattggcc | taaatttaat | aattagtata | aggatagac | 2400 |
| ctaataaatg | tctccttacc | taaagattca | tttgctttct | tttaatatga | gtaggcatac | 2460 |
| ttagtagctt | ttctgaacct | agcctatgtc | tctgtcccca | aaatagctgc | ccttaaagag | 2520 |
| ttgttagcag | agagaaaaat | aacagtgaat | gtgctcctgg | tgtatatggc | agtgaatctc | 2580 |
| ctttctgttc | tacttttagca | tactatata | atgtgactgt | gtacattctt | atgcaatttt | 2640 |
| aagtatacac | tcagcaataa | ttagaaaaaa | aggagagaga | aaagtgattt | aaacaggggtg | 2700 |
| gattccactc | tgtgggagcc | ttcgatggaa | ctcaagggtg | agctcagcct | ttccaatgag | 2760 |
| ctctaagcat | gtagatagcc | tgagctgtgt | ctaagcctgg | tgtttaaaga | tggttatattg | 2820 |
| tcatacaata | tgggtcctaa | atccaaccaa | ctacacattt | tatctgggtg | tcaaaccaaa | 2880 |
| gaaacaatga | tctactcaa | cattggagaa | aaaaactgcc | agaggaggag | ttgccaattg | 2940 |
| gcagtgtgtc | ttatctccat | gttgtaactg | gactctgact | ttagaccatt | acctattagg | 3000 |
| aagattaaaa | atgactgtat | ttttaaagga | ataaatccca | gtgtgcctga | tttgacattc | 3060 |
| ttgtcagcaa | aaaaaaactt | aattttctagt | aaatctataa | aaatgggggt | agtccctaaa | 3120 |
| ttacaaatga | gaaaattgaa | ggcacaagg | aaaaaaataa | cctagtttgg | aaatattttg | 3180 |
| gaaaagtaat | aacataaaac | tagtatattg | agaagattat | gtgttgata | taacaaatta | 3240 |
| gtatttatag | aatatgacct | atttatctga | agtttataat | tgtttatacc | taatacagtt | 3300 |
| ctttttggag | taagaatgat | tatataatcc | gttatcccat | ttgggtataa | atcctgtatt | 3360 |
| tttagttttt | tccctttgat | tagtatgtgt | tacatataaa | gacagaaaat | aaagtataaa | 3420 |
| tcaagagctt | aaattgtata | taattttatt | ctacagagaa | agaagattga | tacctgtcta | 3480 |
| tgagtgaatt | cctttgtttt | atagggaaaa | tttattgtgc | tttttacctg | gttttttcaa | 3540 |
| ataaaatatt | aaaatattaa | aaaaaaaa | | | | 3568 |

<210> 7530

<211> 1941

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (242)...(1322)

<223> similar to gi4096339 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7530

| | | | | | | |
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| gcggcacacc | tctccttttg | gcctagcagg | gccagagaaa | gacggaatca | ctctaccac | 60 |
| tcagcccgga | gaaatagggg | agtgggggcc | caagaacgag | aagacgagaa | cgcgtcgccc | 120 |
| tgcgctatgt | cagaatgggg | cggtgtgag | gggaacagct | ctcttgcat | cagctcagga | 180 |
| gtatgagcct | cccggaggac | ggcatgagtt | ctggacactt | caggagtcc | cagctagtga | 240 |
| catggtcgat | atggataaac | tcataaaca | cttgagggtc | caacttaatt | cagaagggtg | 300 |
| ctcaatgcag | gtattcaagc | aggtcactgc | ttctgttcgg | aacagagatc | cccctgagat | 360 |
| agaatacaga | agtaatatga | cttctccaac | actcctggat | gccaacccca | tggagaaccc | 420 |
| agcactgttt | aatgacatca | agattgagcc | cccagaagaa | cttttggtta | gggatttcag | 480 |
| cctgccccaa | gtggaaccag | ttgacctctc | ctttcacaag | cccaaggctc | ctctccagcc | 540 |
| tgctagcatg | ctacaagctc | caatacgtcc | ccccaaagcca | cagtcttctc | cccagaccct | 600 |
| tgtggtgtcc | acgtcaacat | ctgacatgag | cacttcagca | aacattccta | ctgttctgac | 660 |
| cccaggctct | gtcctgacct | cctctcagag | cactggtagc | cagcagatct | tacatgtcat | 720 |
| tcacactatc | ccctcagtca | gtctgccaaa | taagatgggt | ggcctgaaga | ccatcccagt | 780 |
| ggtagtgcag | tctctgccc | tggtgtatac | tactttgcct | gcagatgggg | gccctgcagc | 840 |
| cattacagtc | ccactcattg | gaggagatgg | taaaaatgct | ggatcagtga | aagttgaccc | 900 |
| cacctccatg | tctccactgg | aaattccaag | tgacagttag | gagagtacaa | ttgagagtgg | 960 |
| atcctcagcc | ttgcagagtc | tgcaaggact | acagcaagaa | ccagcagcaa | tggcccaaat | 1020 |
| gcaggagaaa | gagtcgcttg | acttgaagag | aagacggatt | caccaatgtg | actttgcagg | 1080 |
| atgcagcaaa | gtgtacacca | aaagctctca | cctgaaagct | caccgcagaa | tccatacagg | 1140 |
| agagaagcct | tataaatgca | cctgggatgg | ctgctcctgg | aaatttgctc | gctcagatga | 1200 |
| gctcactcgc | catttcgcga | agcacacagg | catcaagcct | tttcgggtgca | cagactgcaa | 1260 |
| ccgcagcttt | tctcgttctg | accacctgtc | cctgcctcgc | cgtcgccatg | acaccatgtg | 1320 |
| agccgcacag | gtcacactag | agaagctgcg | ctggtatctt | tcctggctcg | gtgctgaggt | 1380 |
| tgggacaatt | ttttcctctt | ttgacttcag | cttgcatatg | gggttgaagc | agcccactgg | 1440 |
| agccaagttg | agggagattg | gaaggaaaag | agagctgggt | cttcccgtgg | ggctttttca | 1500 |
| tatttcttac | cttcacttct | ccactgtcca | gacccgtttt | tttcaacctc | cacatggggt | 1560 |
| gaattccagt | gtggcaccac | atggctgccc | ttccccatcc | ccccctgcc | tctgaaatag | 1620 |
| gacatttttc | cctacagtaa | caaaacagga | atcaaactca | aggctgtgaa | caaacatacg | 1680 |
| ctgctttatt | ctttccaatt | tttctcttgt | tttctaagaa | ctcttatcca | tatgttttta | 1740 |
| aaataagtac | ctaaaagtgg | tttgatagtg | tcctaaacga | cttttttaac | ttcctaaatg | 1800 |
| gaaagagcat | aacaatgtag | ttgattggta | agatttacag | ggatttggtt | tctgagtttg | 1860 |
| aggcacattc | ccagtgaata | agctgagtcc | cataccacac | tcaaaagggt | ttaataaatc | 1920 |
| taatcctatt | tcttcttaaa | a | | | | 1941 |

<210> 7531

<211> 2909

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1594)...(689)

<223> similar to gi5823554 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7531

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|-------------|------|
| tttttttttag | tgctaaaata | taacatttaa | tgtcacattg | ttgggcgact | cccattttact | 60 |
| ttttccatat | atacagtgaa | gacttacaat | agctcacaat | gcagttaaga | attgcattttt | 120 |
| aataatctca | aactaccatc | taatggagga | aagaataagt | ttgtcagaaa | accagtacag | 180 |
| ccatttttgc | attaaaattt | tccttttttaa | taattttattt | aaataaggta | tttgaagcag | 240 |
| tttagaaaaa | acaagatttg | tatttttattt | ccttgtaaaa | atcttttacac | atgcagacaa | 300 |
| accagtgtta | agaaagtatt | caccatcatt | taaacaaata | accacttaaa | tagaacagtg | 360 |
| tctgcaattt | tatctgtata | aaaataagat | acattttttac | agaattcacg | ctccagttct | 420 |
| tatagcaata | aacaatacac | aactataata | aagtacaatt | gaacctgacc | atggtttttta | 480 |
| attagatact | gctagggcat | tttaatgtgc | aaaaaaatta | acatagttct | tttcaaaaaga | 540 |
| aactgtcctc | agtgttctag | agacctagag | ggtttcaaga | aatcaaattcc | taatcagttt | 600 |
| gcgtttaatg | tttttgattg | agtcataaca | tcacactgta | gataggcaaa | accaagaact | 660 |
| gatgcaggct | caaaggaaga | gaaagtcagc | gcctgtgcct | gccatgtcct | gagcgactgc | 720 |
| caccatgggtg | cttgctttta | tgggacctct | caaaggagcg | agatcgttca | cgctgtccc | 780 |
| tatgatgtcc | cctttcatgc | ctgtgtttct | tggctgcac | tgagtgatcc | cgagacttgc | 840 |
| tctgagatcg | agaacgagat | tttttccctt | tatgaccatg | tctgtttgaa | ctttttaaat | 900 |
| catctctggt | atgcttggcc | ttaagggtgag | gagaaccatg | attatgatgt | cttcgagggc | 960 |
| tttcaactgtg | actgcgggac | ctgcttcttg | atctcgagct | gtatgttcca | gatcgactcc | 1020 |
| gcctattatt | atagtgtctt | cttggagtat | gtgatctaga | acgtgatcgt | gttcttgacc | 1080 |
| tcgatcgact | tgcacttctg | ctatttctac | ttctcttgct | gtcttttctt | acaccattgt | 1140 |
| aagggtcttt | ggaagcctgt | tgtctatcct | caggttcttt | tttgactgtc | ttcacattaa | 1200 |
| tggagattgg | tgatttctct | tcagctttta | cttctcttgg | tgatgatggc | ttggaggctg | 1260 |
| gagaaaaatcc | accagggtt | gaaagggctg | gagttccatc | cggattcaat | cctttgtctt | 1320 |
| ttaatttggc | ttcttgtaag | gctacttttc | ttttttctac | ttctttttcc | agtaattcat | 1380 |
| agtttggctt | ttttctggta | taaagcctaa | gtgtttctat | gcagatttcc | tggatttctt | 1440 |
| cttctgtagt | acaaaaaga | agaaaccaat | ggggacgagt | tggcaacgga | atctgaagtg | 1500 |
| ctctagctgc | aaggtagatg | caagcacatg | ctatagtctc | tggttgaaat | cgaacaaaca | 1560 |
| cattgggttcg | aagactgtca | ttcatgtaat | tcctgaaaaa | tatttcaact | ataagcttgc | 1620 |
| atgtaaacaa | accagttctt | ctgaagctta | cataaaattg | gagactcaat | ctactttatt | 1680 |
| cttttttctt | ctcttattta | tattcacatc | ctcatattct | agcatataac | aactcttaac | 1740 |
| tcaaaaaaat | cagtaagcaa | taagaattta | atactaggac | catatgcgat | tttcctatat | 1800 |
| atgagcgaag | ccctttttaa | ttatttcata | ttacaatcca | aactagaaat | tactcctaaa | 1860 |
| aagttaatat | atttctgtaa | aaagcaatgc | ttttcaaagt | caattctgac | acgattagtt | 1920 |
| tcagaaatga | taaaccactc | caataatact | tcaagccatt | aattactgac | catctctcct | 1980 |
| ttatccacaa | taaaagcagt | gtcaaccaag | ttcttttcaa | aagctcaaaa | taccgttaac | 2040 |
| aggggtaaaa | aggcattttc | agtaagtacc | aagttaaact | tatattaaga | aagctaagat | 2100 |
| acttagaaaa | tctagatagg | gaaataaaga | gcaataaaca | catataatgg | ccttgttttac | 2160 |
| ataccttttt | tgtgactagg | taaaagagat | aaactatttc | agttaaaaaa | ttgctgaact | 2220 |
| tttattaatg | aacctctccc | acaacattcc | taaactatca | aagaaatttt | acagatcatt | 2280 |
| taaaaggtta | agctgaaatt | aaatggacta | tttcttaaaa | atcctaaacc | atgagaactg | 2340 |
| ctataatcca | ttttatgcaa | cacatactta | aaatgtcatg | cattttataa | aaataatgag | 2400 |
| acttttctaa | cattacaaat | atttactgag | tccaaaagaa | gcatggcagt | cataaaaagg | 2460 |
| acatcttgct | gggaagccca | gaatataaaa | attacttcac | taagtccttc | acatcaatag | 2520 |
| tcttaggaaa | cagtagttgt | ggctgaacca | caaactcctt | ggcttgacct | ttaaataagc | 2580 |
| cagcactcca | aatcacacat | ctgcatctca | agaagtccaa | gtgctaaagc | atttaagcaa | 2640 |
| tattatagta | acatctcttt | taaaaatgaa | gtgcttcttg | cttctaatat | tattaccgcg | 2700 |
| aatacagcca | agcagttata | taaattaagc | cagtggtggg | actgggtgcc | attttaagct | 2760 |
| gcaagtttgt | cgtctccttt | ggtagtattc | atgctataca | cactaaaaat | aaaaatttag | 2820 |
| tcaaaactct | aataaacat | ttaattcata | atggctgcac | aacaaatcta | tcaaaaatga | 2880 |
| actattcatt | ttgatagtta | caagtatac | | | | 2909 |

<210> 7532
 <211> 1359
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1360)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (492)...(333)
 <223> similar to gi5679460 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7532

| | | | | | | |
|------------|------------|-------------|------------|-------------|------------|------|
| tgaattgcat | atgaaaatta | tagtttattg | tctatacaac | tgaaggttta | actcggactc | 60 |
| ctgcttctgt | cggagctgta | taaagaagca | attcttctct | tagaaciaat | aagcacagta | 120 |
| cactattgta | atctaagaaa | caggcactat | ttatgtattg | gaaagccttg | ctctcaatag | 180 |
| ggctaacagt | ccaatggccc | ataagccact | attttagcag | ctgtagaaaa | gaaagctgtg | 240 |
| gaagtcacaa | ggaatgagat | gctaaaagca | acagagacag | atgatcccaa | caccagcggg | 300 |
| aggtttcaag | tcccagctgc | tgccctgtt | agtttagcaa | gcaagactcg | taggttggga | 360 |
| ccacgtactt | aatgttgata | aaggcatttt | ctcctccgta | gcgctcgaag | gcctccagtg | 420 |
| tctcctggat | caagtcccca | atgttctccc | tcttctgctg | gctgtagtca | atgccgtctc | 480 |
| cggagtccac | attcatattc | ttaaagatgt | tcaggacagg | gaggatttga | cggtaataag | 540 |
| gcaccaaggc | cttgcccacc | atctcagctg | acacaaccag | atgctggagg | accttgagag | 600 |
| tgacacagat | gacctgtcgg | tttcggaggt | tcaaggcatt | ttttatcggg | ataatgagct | 660 |
| gtggaaggac | aggtaggatc | ttgttcccac | cgtgttccag | catgtcgtgg | attccttgcc | 720 |
| gagcaaaaaa | ctcataggga | aatgtcattt | cacaaagccc | atcaaaaaac | agaggcagat | 780 |
| aatgatggta | atccagcttc | tcaatttcta | ccttccaggc | gattttgttt | cctttcgaat | 840 |
| catgctcaag | ggcaattggg | aagtcacctc | gctcatagaa | ttttcgaaat | gctgtgggct | 900 |
| tggttggctc | ttctttaaat | gcccctgcag | ctggagggcc | tctcacgact | gagtttttca | 960 |
| tcatggcttt | gactgtgaaa | ccctcagaaa | ccagagagtg | aggctgggtg | accgggagcg | 1020 |
| gctgttggtc | cagcagcttg | gtcctcttcg | gcaccttgct | tgggcatttg | tttaagctca | 1080 |
| gggtctcttt | ttctgccacc | atcttccctg | aaaatgtctt | gttctcataa | aaagtgtagt | 1140 |
| aaaagaatca | gtgggcttta | cggatgtgag | caggaggtct | tcgcctctca | cctcactggc | 1200 |
| cggttgtggt | gcggttcagg | acccatcgag | accactctc | tgtggggctc | tttcaggaaa | 1260 |
| ccgcagcaaa | gcattaaact | ctaattggaag | gcacctggtg | aggggtggctg | gctccagaat | 1320 |
| tccgccgcac | aanctagtgt | ctcagttnc | cctccgccg | | | 1359 |

<210> 7533
 <211> 1084
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (81)...(463)
 <223> similar to gi5771451 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7533

| | | | | | | |
|-------------|-------------|------------|------------|------------|------------|------|
| tgcagcaggg | gcagcgcgtg | cggacccggg | gccggcgcgc | atgcgccagc | gcgacgcctt | 60 |
| tggaggggtg | cgtggacctc | agctaccccc | gcacccacgc | ggccctgctg | aaagtggcgc | 120 |
| aaatggtcac | cctgctgatt | gccttcatct | gtgtgctggg | ctccctgtgg | accaactaca | 180 |
| gcgcctacag | ctactttgaa | gtgggtacca | tttgcgactt | gataatgatc | ctcgcttttt | 240 |
| acctgggtcca | cctcttccgc | ttctaccgcg | tgctcacctg | tatcagctgg | cccctgtcgg | 300 |
| aactttctgca | ctattttaatc | ggtaccctgc | tcctctcat | cgcctccatt | gtggcagctt | 360 |
| ccaagagtta | caaccagagc | ggactggtag | cggagcgat | ctttggtttc | atggccacct | 420 |
| tcctctgcat | ggcaagcata | tggctgtcct | ataagatctc | gtgtgtaacc | cagtccacag | 480 |
| atgcagccgt | ctgatgaggc | cacaaccctt | aggccctca | ggagctttgc | agagaggagg | 540 |
| acgtgtactc | caggcgaggc | ctctggacct | gtgttctctg | gccaaagtcc | tgtcaggctg | 600 |
| gtgggcacca | ggaaaggcct | gcacctctt | cctgctctcc | caggaagcca | gctccctgag | 660 |
| ctcctgagcc | agccggaaac | tcttctccca | gccttccggg | gagaacatcc | ctcccattct | 720 |
| gggaaaggaa | agcagcctcc | agggaaatgt | tttctgcctt | cctgcttcta | gaaccacctc | 780 |
| aggtactgat | gaacccact | tagcacagct | gaagggggtt | gtgaatactc | cgcctaaat | 840 |
| cccttctact | tcactcctca | ggggagtga | gtgccttaag | aaacaaagcc | ctgtccta | 900 |
| ttatctagct | tgtcagtcct | gtcttagaga | tacctcttt | cctgaagtga | ggcgtgcctg | 960 |
| tagaaacact | atgtggtcag | cctgtcccca | aggagatctt | gtgtctcctc | tccatctctg | 1020 |
| cctttgttac | cagtgtgcat | gtgtttgtgt | gtttttta | aaaatattga | ctcgccagct | 1080 |
| taaa | | | | | | 1084 |

<210> 7534
 <211> 3478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2240)...(1195)
 <223> similar to gi5912111 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7534

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-----|
| tttttttttt | ttattgaata | tatacaattt | atttaataaa | ttaatgtcat | tcaaaataca | 60 |
| gtgccagaac | atggtgcagt | tgaacatgct | agtaatgttt | gtcatgaagc | acctgtgctc | 120 |
| atgttagatt | ggcggcgccc | cactactgct | agtggttccc | gggaataaat | gccagagcag | 180 |
| cgctagtgt | tctgctcttc | tgccagctta | gtgcagagaa | ttcctgaaca | gttccccctta | 240 |
| ttaatcctaa | ccccacacg | cacacaacag | gttaaaaaaa | acacaccctg | gacaggctta | 300 |
| acagatctat | acacaatcac | tctacagtaa | tgcttggtat | taaattaaga | tgtaatgacc | 360 |
| tggttaaccc | actctaaatc | ttgaagatgg | agaactacat | cagcagcaga | tagtttatatg | 420 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| catgaggcca | atgttaacat | aatacagaaa | gtggaggott | tttctgatta | aagctccacg | 480 |
| cagaccgcga | caatgagtgg | ctggcaattc | ttactgcaag | cccagcaact | taagtccaca | 540 |
| cctggtaaat | gaccagctga | ctggaagacc | tgtattctag | atagacaagt | ataagttagt | 600 |
| gaaaagagaa | tacatgcacc | taatagtata | gttagactga | tcttgcagtc | atagctttcc | 660 |
| ctgtgtaata | ccataaaatt | atggaagatc | ttcctcaact | agagtatagg | atttagacat | 720 |
| ttctatacca | acacggacat | tagtgtttaag | tgcagttgaa | ttaattacac | tgaaaactgt | 780 |
| attccaggac | ttcagaacag | aagcacggga | atgaaacaca | catactaaaa | taacctcagc | 840 |
| acaattttgtg | atacatcaca | ctaggaacag | gaaactactt | ttataaatga | actttttgaa | 900 |
| ctgtacatac | acagggctaa | caatgttaga | taatccagat | tcttatactc | tcatgattac | 960 |
| acataaagtt | tctcaattat | tgaataatct | atctcatatt | atggaagcat | atctttctgt | 1020 |
| aagactcact | gatatatatt | atactgatgc | aaatattaag | tagggcataa | aaataaaatt | 1080 |
| tatcaaagat | agaattttat | gtactcatat | ttagttcttt | catagcctct | tttgtttagc | 1140 |
| aaagaaaatg | acaaagcaca | taactcaggc | gtgcactccc | tgaacttccc | cactatacag | 1200 |
| gtggtagtgc | aaccattttct | ccatccagtt | caaactcttc | tgtcccatcc | gttgaaaaaa | 1260 |
| gataagttgg | tggtttccat | ggagactcct | caaggcagga | tggatagagt | ttccccacag | 1320 |
| tgcacgaaa | atctctcccc | aagtcccaca | gtacacgttc | agatatatgc | tgccgcagag | 1380 |
| accaccggtc | aagttccagg | tcatattggt | aggtgacgta | tttagctcgc | tcatttaagt | 1440 |
| gggtttctcg | cataaacaca | catagagaat | ttgagatcac | aacagctcta | acacaggggt | 1500 |
| cagagtacct | cttagcaggg | atgttggctg | ccattttcca | ctcattttta | ttcacatcat | 1560 |
| aaattttccac | agttactgaa | gacctatcta | cagtgccaga | ggggagtctt | atgccggaat | 1620 |
| tggtagcaat | atgcaaccct | ccaatataga | aaattttatc | acaaaagct | gcagctgaag | 1680 |
| caaaggacct | actagtctgt | ctcatggcca | tttctacceca | tgagtcagac | cttggaanaat | 1740 |
| aacagtacat | gaggttcagt | gtcatcacat | aatgacgtc | atgaaccaca | actgctgcac | 1800 |
| tccattgccca | agcacaaggt | aaagggctta | ccatcgteca | ctcatctttc | tcagtgtcgt | 1860 |
| atctttctac | ggtctctcga | ttaagttctc | cacctacgtc | atctctctcca | attgcataga | 1920 |
| tatagccttc | acagcaaacc | aaagatggct | ttatgctggac | aaaaagcatt | ggggtctttg | 1980 |
| gaaaccaggt | atcttgcgtg | gcatcaaacc | aataaaaagca | attcacagtt | ctgaaggcag | 2040 |
| tctgaagttt | gcttgtttta | ctgtgatttg | ttttgtgtt | tttcagagga | acttgacccc | 2100 |
| ctgctatgta | gatatcatta | tcaggagtta | caacggtccc | aaccttatgc | aaatcagctg | 2160 |
| gtgggctaca | taacttgtaa | actttttctg | cttgggggct | gtaacagaca | gaagagtaaa | 2220 |
| gactacaagg | atcttctgaa | gatgcttcaa | tgaaaatcat | catttctctc | ttagtcatcc | 2280 |
| caagtcttgg | tttgaaaaac | ttgggcatgg | acttatacag | accttgaacc | accactgact | 2340 |
| tatcattggg | tggcagacct | tgaaccaag | ctctctgtgt | tacttctgaa | agtgcacaa | 2400 |
| ttctgatttg | gctaagaaca | gaagacaaat | actgggatcg | tgattctgtg | ttatactcta | 2460 |
| gccacagcat | agcagcttct | cgaacggttt | cttctctttc | tacatttaaa | ttgtcgtgc | 2520 |
| tgagaatatc | tatcagtagg | tcatgtgaca | gctgcagtga | cgcgtcctga | tgatacacag | 2580 |
| cagtgaactt | gtgctccacc | attcttttag | ccctctgttt | taattcctcc | caactgaaga | 2640 |
| gatcagcaaa | actcaacaat | cgtacacaat | tctctgcatt | tattttttta | attaaatatt | 2700 |
| ctcgacaacg | ttgtaacaca | tcttctacct | gtaggaagca | agctgtttca | taaagctgtt | 2760 |
| ctacagtgtc | gtcatttcatt | gccaaagtac | cctgtgatgc | ataagttatt | attatctgta | 2820 |
| aggtggcagc | atcgacattc | ctcaggtgta | catgggtttg | tttgccttca | cttagtccac | 2880 |
| tcataaacat | ggcctgaaa | taagagctac | atggtgcaag | aacctcttta | tgacaaggga | 2940 |
| attcagtgcc | ctcaacaatt | aacactatgt | cagtaaacaa | ctgctgttca | taaaacagtt | 3000 |
| tcaactgttc | caacaatgac | acagcatatt | cagtattgat | ctgcctctcg | tcttgagtgg | 3060 |
| acatgactgt | attccattaa | tatctccagg | aacagattag | aaaagtccgt | cttactgatg | 3120 |
| gaagggtcaag | tgaatacttc | agaaataaag | gagaacctac | ttgctgttat | ctgcagcatt | 3180 |
| cagtaccaag | actgacacat | tcactaatga | gtaatatctt | gttacacaga | cttagaatca | 3240 |
| ctcctaggtc | atcctgtgtt | aattaggttc | ttcagagttt | ttcaacacag | tctgcagaca | 3300 |
| ttgtgctcaa | atctgcaatt | gtgcagctca | tgagtgaag | agaaaaatac | acgaggtaga | 3360 |
| ttttgtggca | acatcctatg | ttcagcggat | cctgtggagt | aaccgcgtcc | ctcgggtccgg | 3420 |
| aggtgtggga | tccgctccag | ccggtggccc | cgtccacact | gggcccctcc | ggacgaaa | 3478 |

<211> 908
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (238)...(609)
 <223> similar to gill22441 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7535

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| gtgactgaga | gcaacaagtt | tgacctggtg | agcttcatcc | ccttggtgcg | agagaggatt | 60 |
| tactccaaca | accagtatgc | ccggcagttc | atcatctcct | ggatcctggt | tctggagtcg | 120 |
| gtgccagaca | ttaacctgct | ggattacctg | ccggagatcc | tggatggact | cttcagatc | 180 |
| ctgggtgaca | atggcaaaga | gattcgcaaa | atgtgtgagg | ttgttcttgg | agaattctta | 240 |
| aaagaaatta | agaagaaccc | ctccagtgtg | aagtttgctg | agatggccaa | catcctggtg | 300 |
| atccactgcc | agacaacaga | tgacctcatc | cagctgacag | ccatgtgctg | gatgcgggag | 360 |
| ttcatccagc | tggcgggccc | cgtcatgctg | ccttactcct | ccgggatcct | gactgctgtc | 420 |
| ttgccctgct | tggcctacga | tgaccgcaag | aaaagcatca | aagaagtggc | caacgtgtgc | 480 |
| aaccagagcc | tgatgaagct | ggtcaccccc | gaggacgacg | agctggatga | gctgagacct | 540 |
| gggcagaggg | aggcagagcc | cacccctgac | gatgccctgc | caaagcagga | gggcacagcc | 600 |
| agtggtagt | ggactccgtc | cctacacctc | acctcctgtc | gggggcccag | ggagccagat | 660 |
| gtcataggag | ttgccttggg | gcctcactta | agcaaccagg | actactttat | gtatgtcact | 720 |
| cacacaattg | tagcagcaac | ccagcgcagt | ggcagcagtg | gttctcccc | attctgcaga | 780 |
| caggacacag | ggaagctgag | taccatggcc | acacactcgc | agctagtga | gactggaacc | 840 |
| ggattggaac | ccaggcaggc | tgtctccagc | agccattgat | ttttaaccct | tcctgcctca | 900 |
| aagaccat | | | | | | 908 |

<210> 7536
 <211> 1631
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1632)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (95)...(880)
 <223> similar to gi3413293 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7536

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| gcgcgcgtga | gtccgcccc | ccagtcacgt | gaccgctgac | tcggggcggt | ctccactatc | 60 |
| gcttacctac | ctccctctgc | aggaaccg | cgatatggct | gccgctgtgc | cccgcgccgc | 120 |

| | | | | | | |
|------------|------------|-------------|-------------|-------------|------------|------|
| atctctctcc | ccgctgcttc | cccttctcct | gggcttctctg | ctcctctccg | ctccgcatgg | 180 |
| cggcagcggc | ctgcacacca | agggcgccct | tcccttgat | acggtcactt | tctacaaggt | 240 |
| cattcccaaa | agcaagttcg | tcttggtgaa | gttcgacacc | cagtaccctt | acggtgagaa | 300 |
| gcaggatgag | ttcaagcgtc | ttgctgaaaa | ctcggttcc | agcgatgatc | tcttggtggc | 360 |
| agaggtgggg | atctcagatt | atggtgacaa | gctgaacatg | gagctgagtg | agaaatacaa | 420 |
| gctggacaaa | gagagctacc | cagtcttcta | cctcttccgg | gatggggact | ttgagaaccc | 480 |
| agtcccatat | actggggcag | ttaaggttgg | agccatccag | cgctggctga | aggggcaagg | 540 |
| ggtctaccta | ggtatgcctg | gttgccctgcc | tgtatacgac | gccctggccg | gggagttcat | 600 |
| cagggcctct | ggtgtggagg | cccgccaggc | cctcttgaag | caggggcaag | ataacctctc | 660 |
| aagtgtgaag | gagactcaga | agaagtgggc | cgagcaatac | ctgaagatca | tggggaagat | 720 |
| cttagaccaa | ggggaggact | tcccagcatc | agagatgaca | cggatcgcca | ggctgagtga | 780 |
| gaaatacaag | atgagtgcag | ggaagaagga | ggagctccag | aagagcttaa | acatcctgac | 840 |
| tgccttccag | aagaaggggg | ccgagaaaga | ggagctgtaa | aaaggctgtc | tgtgattttc | 900 |
| cagggtttgg | tgggggtagg | gaggggagag | ttaacctgct | ggctgtgagt | cccttgtgga | 960 |
| atataagggg | gtagtgggaa | aagtgggtact | aaccacgat | tctgagccct | gagtatgcct | 1020 |
| ggacattgat | gctaacatga | ccatgcttgg | gatgtctcta | gctgggtctgg | ggatagctgg | 1080 |
| agcacttact | caggtggctg | gtgaaatgac | acctcagaag | gaatgagtgc | tatagagagg | 1140 |
| agagaggagt | gtactgcca | ggtctttgac | agatgtaatt | ctcattcaat | taaagtttca | 1200 |
| gtgttttggg | taagtggacc | tgaagccatt | cttttttttt | ttcaaattat | actttcgtct | 1260 |
| atgacctgct | ttcctctttg | aatctaagct | ggtatagact | ccactttccc | agggtaacaa | 1320 |
| actatcctca | taacactgtg | gaaactggca | tacctttgtt | attttccagt | gatattcaga | 1380 |
| ctgacatgga | ttgactgtca | atggtaaagt | ttgtctatct | tccagtcctt | aaaactcaat | 1440 |
| agcagtattg | atgaatatat | tgaaccaaca | ttgatggacc | atgggtgtaat | tattttccat | 1500 |
| gctttgtgag | ggtacacata | gcaaattcct | aggttttact | gatatatctt | gtgacttgga | 1560 |
| tttacacagc | taganttcn | ccgcnctgtc | ctaattggtcc | tttattnnngn | cncncaaaaa | 1620 |
| tgttttcaaa | t | | | | | 1631 |

<210> 7537

<211> 1618

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (105)...(1546)

<223> similar to gi31825 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7537

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| gagcgccggc | gcgggaccga | gctggcgggc | ggcggcgcgc | gcttccgagg | cttctgctg | 60 |
| cttctgccc | agccgcggc | ctcacgcgc | ccctctccc | tgccatggcc | tgcaggcagg | 120 |
| agccgcagcc | gcagggcccg | ccgcccgtg | ctggcgccgt | ggcctcctat | gactacctgg | 180 |
| tgatcggggg | cggtcgggc | gggctggcca | gcgcgcgcag | ggcgcccgag | ctgggtgcca | 240 |
| gggcccgcgt | ggtggagagc | cacaagctgg | gtggcacttg | cgtgaatgtt | ggatgtgtac | 300 |
| ccaaaaaggt | aatgtggaac | acagctgtcc | actctgaatt | catgcatgat | catgctgatt | 360 |
| atggctttcc | aagttgtgag | ggtaaattca | attggcgtgt | tattaaggaa | aagcgggatg | 420 |
| cctatgtgag | ccgcctgaat | gccatctatc | aaaacaatct | caccaagtcc | catatagaaa | 480 |
| tcatccgtgg | ccatgcagcc | ttcacgagt | atcccaagcc | cacaatagag | gtcagtggga | 540 |
| aaaagtacac | cgccccacac | atcctgatcg | ccacaggtgg | tatgccctcc | acccctcatg | 600 |
| agagccagat | ccccggtgcc | agcttaggaa | taaccagcga | tggatttttt | cagctggaag | 660 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| aattgcccgg | ccgcagcgtc | attgttggtg | caggttacat | tgctgtggag | atggcagggg | 720 |
| tcctgtcagc | cctgggttct | aagacatcac | tgatgatacg | gcatgataag | gtacttagaa | 780 |
| gttttgattc | aatgatcagc | accaactgca | cggaggagct | ggagaacgct | ggcgtggagg | 840 |
| tgctgaagtt | ctcccaggtc | aaggaggtta | aaaagacttt | gtcgggcttg | gaagtcagca | 900 |
| tggttactgc | agttcccggg | aggctaccag | tcatgaccat | gattccagat | gttgactgcc | 960 |
| tgctctgggc | cattggggcg | gtcccgaata | ccaaggacct | gagtttaaac | aaactgggga | 1020 |
| ttcaaaccga | tgacaagggt | catatcatcg | tagacgaatt | ccagaatacc | aacgtcaaag | 1080 |
| gcatctatgc | agttggggat | gtatgtggaa | aagctcttct | tactccagtt | gcaatagctg | 1140 |
| ctggccgaaa | acttgcccat | cgactttttg | aatataagga | agattccaaa | ttagattata | 1200 |
| acaacatccc | aactgtggtc | ttcagccacc | cccctatttg | gacagtggga | ctcacggaag | 1260 |
| atgaagccat | tcataaatat | ggaatagaaa | atgtgaagac | ctattcaacg | agctttaccc | 1320 |
| cgatgtatca | cgcagttacc | aaaaggaaaa | caaatgtgtg | gatgaaaatg | gtctgtgcta | 1380 |
| acaaggaaga | aaaggtggtt | gggatccata | tgcagggact | tgggtgtgat | gaaatgctgc | 1440 |
| agggttttgc | tgttgacgtg | aagatgggag | caacgaaggc | agactttgac | aacacagctg | 1500 |
| ccattcaccc | tacctcttca | gaagagctgg | tcacacttcg | ttgagaacca | ggagacacgt | 1560 |
| gtggcgggca | gtgggaccca | tagatcttct | gaaatgaaac | aaataatcac | attgactt | 1618 |

<210> 7538

<211> 2356

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2015)...(1417)

<223> similar to gi3881914 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7538

| | | | | | | |
|------------|-------------|-------------|------------|------------|------------|------|
| ttgtaaatga | cattacatct | tttgtattat | ccaatacaca | gtagatactc | agaatttact | 60 |
| ccaatgaatg | catgttaaaa | ggatttgtac | agacacaaca | ctcttacttt | caaagagcag | 120 |
| aggaacattt | tatatagtga | acacatacac | actgtggcaa | tgtaaaacta | cttaaggaag | 180 |
| gaaaaatatc | cccctcccca | gccagggtact | gagacctggg | gctaaaattt | tttgtcagtc | 240 |
| agcccccatc | cccatccctt | atcttcgagt | gacctacca | ggaaacctgg | ctttggtgga | 300 |
| aaggagagct | gtggggcctt | gggagcctga | tgccttttct | tttgggagga | aaggccacct | 360 |
| gcacaatcca | caggacagga | gtggccagca | gctatcctga | gctgaggctc | cagaagagtt | 420 |
| cagatccaag | agagcaaggg | atgaatggaa | ggaaagtccc | accaccttc | atgtgtaaag | 480 |
| tgattggcat | ttactcaaat | ctaaatctac | tcctctcctc | cctgcaatat | accattgagc | 540 |
| atgtgccaga | gtaatggttc | tgaacaaaag | ccaacacaga | tgtcagcctg | ggggcactct | 600 |
| cagcctaagg | aagccccctac | agccgagccc | tcagccctaa | tgacttaggc | agtaggttag | 660 |
| gcaggagatg | tagagtgtgg | ctggctcact | gatttcactg | tggaaatctt | ctactagaat | 720 |
| ttgcaaagac | tagatattgg | ggaaagggtc | attgatctta | agatcccaag | acacacagcc | 780 |
| tagtacctaa | gaattttagt | atatgtggga | gacagaagtg | gagaaagcta | aagaattaca | 840 |
| gccatgcctc | ccaaatgatt | atgaaaagga | gggcttgtcc | aagctacctc | tgggccttaa | 900 |
| ggatgagatg | agggtaggag | tagggggata | catgcacca | gcctgttgga | gaatccaaca | 960 |
| tgaagactat | tgtcccttga | gaacctaaag | caaaagtaca | aggaggggaa | atactgggtc | 1020 |
| ctttacctga | aacaagatat | gggcctcccc | tgcctctcag | accctacagc | tccttaggct | 1080 |
| ccaggcctca | ggcacaagag | atagagaatc | atatctgagc | cttttgccct | tcccttagct | 1140 |
| ccaaacaagg | gcagggggtt | aaatgtgagt | gggagagaag | ggatcatcag | acacactggt | 1200 |
| tagcacctga | accacatctc | ttcctaaacc | agaaatccca | agagcagaaa | gaaataggag | 1260 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|------|
| caaagtgaga | gaggggttgt | gcttccatca | cattaaatag | gagacttcgt | gggggttgggc | 1320 |
| aaggggttgt | tcacatcagg | acatcaatga | ctctggtcaa | ggtgaggggt | tataattagc | 1380 |
| aaagcttcat | gtgctctccc | tttctttatt | catectgctt | ccgtttcggc | tttttggggg | 1440 |
| tccgggaccg | actcttggcc | ttgcaaagag | ggcatatagg | tgcattccgg | tgaatttgct | 1500 |
| ggtgacatga | caagcaggcc | ttcatagggt | ggggctgctg | cctgaagggt | gccgtctgcc | 1560 |
| gagtatcctg | cttcctagcc | acttggagct | gttgggcggc | agcggctgca | gcggccaggg | 1620 |
| actcagggat | ggggggctcc | tgaggttctg | tctgccattc | tgctttctgc | ttctcaaagt | 1680 |
| aatccaagga | aagcttctcc | tcttcttcac | acaagtcagg | gagcctctgc | aggcccagag | 1740 |
| tcatgcgcag | ggcatccaca | tgttctttca | gtggcttata | ctcatcatgc | agcctccttg | 1800 |
| tagactctag | cagcttgttt | aggtcattct | cagattgttt | gatagtgttt | tccatcacat | 1860 |
| tgatgtcagc | gtggatcagt | cggagttcct | ccacatgggc | catcttctcc | tgtagcagaa | 1920 |
| ggtccatctc | ctgcttgat | tccttcagg | gcctttctcc | tgactcaagt | gcctcaaact | 1980 |
| cagccttcaa | acgagccttg | atcttctcca | tctgcagggt | cttgttcctg | caatttgcaa | 2040 |
| aaagcaggaa | acaggccagc | aaaagaagg | agaaaataga | aatggagcca | ggactttttt | 2100 |
| tctaagccat | ctttacaagc | ttccccctct | ccaggcagag | ccaacctgag | gccatctcaa | 2160 |
| aaaagaaggc | caggtgcaat | ggctcatgcc | agtaatctca | gcaatttgga | agacagaggc | 2220 |
| aggaggatca | cttgagccca | ggagtttgaa | accagcatgg | gcaacatagt | gagaccttat | 2280 |
| atctgatctc | tttaatgctt | tccaatttgc | acatgatttc | ttgctcatct | gccgcgaaat | 2340 |
| cgtcgacccg | gaaatt | | | | | 2356 |

<210> 7539

<211> 1392

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1312)...(310)

<223> similar to gi4929589 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7539

| | | | | | | |
|------------|------------|-------------|-------------|------------|-------------|------|
| gcaaggtaag | aatcaccact | catctttaat | ataatgaaaa | ctggaaaatc | aaaaagggttt | 60 |
| atgtgaacac | taagtcatgt | ctgggtgggtg | ggatgacagg | tgatttaaaa | atctttcttt | 120 |
| attcatatca | aatttttatt | ttttctacag | tatactatta | gtgtgttatt | taaatagatg | 180 |
| tactacttaa | ataattttaa | tagtaaagaa | gatactctaa | gtaaatacat | agagaaaaat | 240 |
| gtaaggaatt | cccaaggcac | cccaggtttt | gtgttaaaaat | ttcagatgaa | attaagtaaa | 300 |
| tgtttaggat | aataccagat | ccttctgaat | tctcatctca | tgcacttcat | tttcagcata | 360 |
| ctgaggatct | ctcgcagggt | ccttgatata | tttcagcgtg | ttaatactct | ttggtggaaa | 420 |
| gagcttttca | tacacttttt | tccacaactc | catagggtgag | tgggcatgaa | gctttccaat | 480 |
| gtcattttca | ggaacaggag | gagatcctat | ttgaccgaaa | gaatccaatc | ctgctgtgat | 540 |
| aaacagcggg | ttattctgat | ccacacatat | tgatttgctt | ttgtcaatgc | caaattgcca | 600 |
| ctggttgata | actccacgta | attttagtaa | tagagcttct | gattttactg | taaacattaa | 660 |
| tgatgctcca | taataatgtg | caacaaatcg | aagtgtcttg | catattacct | ttctcttctc | 720 |
| agactcaaaa | tcctgaaaaa | catcatattt | acttccaatt | atgaccagag | gtaccggaaa | 780 |
| tgggtcaatt | aattcatgat | cctgaggatg | atccttcggc | atattattcc | agatcttctg | 840 |
| tctcatttca | gaaactgctt | tagcatttgt | ctttcccagt | ttcattatca | ctttgtctac | 900 |
| atggcttttt | gtggcttgca | agagattttc | catgggtgggc | cagagatcat | taggttttga | 960 |
| aagatccaga | acgagaacaa | gagaaaacgt | ccgtaagggtg | tcacctgtga | tgggtatgct | 1020 |
| gattaagtcc | aataaagag | ttcctccacc | gagttcccaa | aagtgagcga | tatcttttgg | 1080 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| tgtgttgtgc | ccttttgc | ttcttccata | tgtatattcc | aaagctaagg | ttggtttttg | 1140 |
| tggttcatct | ctgtcaagac | accttagaat | aatagtagtc | tttcccccat | ttttactgcc | 1200 |
| aatgaagaaa | acagattttt | ctgcaatttc | agctccatca | ccttcacttc | cattaattcc | 1260 |
| ccttttttcc | acttcagctt | ttgcaatttc | ccagagagtt | tcactgggca | tcgtcgacgg | 1320 |
| cctggctgcc | gcaaacgtca | caggctcgga | gtagtacca | gcctagaatc | aggcggcgag | 1380 |
| ctccgctcgt | gc | | | | | 1392 |

<210> 7540
 <211> 1181
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (824)...(537)
 <223> similar to gi5107076 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|------------|------------|------------|-------------|-------------|-------------|------|
| <400> 7540 | | | | | | |
| cccccccaa | aataagggtt | ctttccaaaa | attcccaggt | aggtttttat | acggccccct | 60 |
| ataaggaaaa | aagtattacc | ttgcaagccc | gggtaaaactt | tggccccccc | aaggattctt | 120 |
| taaaacggcc | cccccttttt | tttttttttc | cgtcctccac | caattttattt | gcccattccgc | 180 |
| aggaggtgac | agctcctgtg | gtgtctgacc | acccccaaact | ccgaagtcca | gacaagctgt | 240 |
| ccgcccagaa | tatgaggctg | acttgggcac | actaggggaa | taccccaaag | gcctgaagga | 300 |
| ggtgccactg | ggctgccagc | acttcaggaa | ggcacagggc | cccacacccc | cgagatccaa | 360 |
| gctgcactgg | ctggcagggg | gcagggcggg | gggtggcgag | gacacagtcc | cgtgtgtccc | 420 |
| agcaccggtg | ccaccctcct | aagccccggg | caggcagtac | gtacatgcgg | accccgctc | 480 |
| tcaaagcacg | tttatggaaa | tgaacagggt | ggggtggccc | gcgctcgccg | gtcacatggt | 540 |
| ggctcgttcc | cgctgcagcc | gcgagttgta | ggcgcgagac | acggtgttcc | aggcgctccat | 600 |
| gtagcgggtc | atgcacatgg | cgatgcactt | ctgctcggag | ttgtccaggg | agccccagg | 660 |
| tttccctata | cacttccgga | aacacttgtc | cgtcatcctc | tgcagcagct | cctgcgcggt | 720 |
| ggccacggcg | atctgcactt | tcacctgctc | cattatgagc | cctgggtcca | gcttcccgt | 780 |
| gccggagccc | ccgaaatcgg | agccgaagcc | gccctccatg | gctccgcaa | gtcaaccgga | 840 |
| ccgaggccgc | gtgcgccgac | tcgtaactaa | ctgcgccgga | agcgggccgc | ccggggcacc | 900 |
| acgggaaacg | gagtcgcgcg | ggacggggac | ggaggactac | aactcccaca | cgaccgcgcg | 960 |
| cgcccgggcc | attcaaggtc | gcgcgggggg | ccctccgctc | atgcggaggc | ctggacctgc | 1020 |
| cgttacctac | acgagctacc | cgtggttgcg | actccgcggg | aagagggagg | ccctgacttg | 1080 |
| gccggggagt | aggggggcta | ctacgtgcgg | ccgaggccga | tcactttgta | ctcacgctct | 1140 |
| gcctccagct | cgtcccgaag | ggcctgcgcg | gcatgcgcac | g | | 1181 |

<210> 7541
 <211> 3432
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1948)...(571)
 <223> similar to gil335873 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7541
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gcctataaac actgcaatac agaaaaatta agctgctgca ttgaattctt actccaaaac      120
aatgcaaate tgcattgaggt ctctcccgtc atgggtgtga gtggaagaga gggagacttt      180
tttacctggg gttgggtggt gagtgaaaca caaggggtgg agagggtttg caaatagcca      240
gagaacagaa accaatgtgc agtcactgac acacttgacc agttaatttg cacttgactt      300
tggctgtggc tgttcgggtc gtggctcctt cggcttcttt gtcttcttct tcttctgctt      360
ggagagacag ctcaaagcag actcgtcctt acttgggggg cagacacaag cagggggcgg      420
gcttgccaga ctgagtggaa gagagggaga cttttttacc tgggggttgg ggtggagtga      480
aacacaaggg tgggagaggt tttgcaaata gccagagaac agaaaccaat gtgcagtcac      540
tgacacactt gaccagggca gttaatttgc acttgactt ggctgtggct gttccggctg      600
tggctccttc ggcttctttg tcttcttctt cttctgcttg gagagacagc tcaaagcaga      660
ctcgtcttta cttggggcag acacaagcag gggcggttg ccagactgag tgggatactt      720
ggttttctgg ctctccgtaa acagtggctg ggacagcagg tggcgagct ccttcttcag      780
aaccttcctc tgcctttgtc tccgacgttc ttcttgctgg tcagcttttc ctcccttata      840
catgtcttct tccagctcaa tctccagggc agctgctgcc tgctcaatcc aagagtgtg      900
caggcaagcc tgggaagttc gatactcaga ttctcaatc tgtcgagcta aacggattcg      960
ctccttgacc acatccatgt attttgtctg cacggggaac agtgggatat cctcatcttt     1020
cttgagcgtt ttgtaaactt tcttaaagtt gatcacatcc tcaggcccaa tgagcatcag     1080
actgaggcct tcattggtag ctcgagcagt tcgaccactt cgggtggacat aaatctccga     1140
ggtacgtggg acctggtaat ggatgacatg ctggacttta ggaatatcca gaccccgagc     1200
tgccacatct gttgccaaaga gaacacagtc ttccagacgg gcaaactgct ccagggttct     1260
gagcctctgc ttctggtgca tacaggcatg caggggtcaag ggcattgatat caaggacttt     1320
gaggagccca gagaggcgtt tgatgcagga gatactgttg gcaaactact agctgcggcc     1380
tggatactgc atcaggaagt agtacaagta gaagtctttc tcatcagctt cacaatggat     1440
cttgggtctt gttagcgtct ccaccgtggc ctcatctctt gtgagggtcaa tgacctggg     1500
cttgcccctc atgccaattt tctgcataag gaggtcaagt ttggctgttt tatccatttt     1560
cttgggtgtg ttcttatgaa ggattcgagc aggagcctga tgcaccaggg tgagtgtggc     1620
agaaaaaaca agcgtttgtc tctttgggtt gtattgggag tcattgagca tctctagcag     1680
ctgtgagagc tcagcaaaat ggcttttctc aaccatccgg tcagcctcat ccactaccag     1740
gcacctgagc tgccgaaggt tctcaaatg ataattgctt tctttaatta attcccacag     1800
cgggcttggg gtagcaacca caatctcagg acgacgggtc agcatcctct gctgtttctg     1860
cgtggacatt ccaccaacca aaatagcagt ttaattcct gtaaacctgg ccacagcatc     1920
aatgtgctgt ttgacctgga cggccagctc tcgagtggga gtcagaacca gtccaagcag     1980
aggacgcttt ggatatgctt tacagggtggc gcttttgtca tccaactcct gttttagatt     2040
tccagtctgc tctttatcaa gattttcctc atcattctca ttctgtttgg gaacagggtt     2100
ctccctgatc aggaagaag gcccttcacc agcatcatcg tcaccaaaga gcaacgcctg     2160
gtctgagaca gtgcctccag tcttggctct ggctcggct gcaatatcac tgggcagtgc     2220
ttcactctca attacagtat cgtcaggcaa tgcattcagc tcagcttcag ccttgctggtg     2280
tgatctagtc tcagctccgg cctcagttct ggtctctcca ggtggtgctt cgggtgttact     2340
tggaggaggg gcagcattcc tcttctgcca ctgcaacacc gcatgaatca ttgggatggc     2400
aaaggcaaga gttttccac ttctgtctc agcagcccca aggatgtcca gtttgtcacg     2460
gatggcaggt gccaaaggtc gggcttggat tgggtgtggg gcagagaagc ctagaaagct     2520
gagtgtctcg agaaccggcc tgggaacaaa caggctcttc caagctgaca catctgcttt     2580
ctgatcatga acttcaggaa tccatgtctt cgcttttttg ggcaccttgg cagcagtgtc     2640
ctgagaaggg tccaaccctt tttccctttt attttcttc ttttttgag cagtttggac     2700
caggttttct gatgtcatct cccagcctc cggatcatca caaacatgt catctccctg     2760
ggcctccagc tcaggatctt tcaactcaaa ttctttctgg gtactgggtc cttcagttgc     2820
tacattttta cttttcttca acttgatctt tttctttggg gagctagact ttccctctc     2880

```

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| ctcctcctct | tcttctgaaa | cagcttgtgc | ctttctcttg | ggtgcttct | ttgagaagag | 2940 |
| actggaggga | ttcttggcag | gggagaccaa | ctggtaatct | gtcaattcct | caaagcacac | 3000 |
| caagtcaccc | atctgtccat | ctgcaaacat | atttgggtca | atcttcactt | ccttccattt | 3060 |
| ttccacaact | ttgattccct | ttgtctgaaa | tttgccacag | cttgactgct | ttggccttga | 3120 |
| ttttgtgtcc | ttcaacttca | tggttgctga | aaaggagata | catgttctat | taggttggtg | 3180 |
| tctgagaagc | agagggttct | gatgtaacaa | atattttcta | agcaactagg | ccctacaaag | 3240 |
| aactgaggat | acaaagatgg | ctatcacaca | gttgctccca | cctagagaag | aacaaagaat | 3300 |
| accacagaac | agacagcttt | gcctggaaca | cagggtagac | atgtgatgga | acaaagacat | 3360 |
| atgagctaga | cctggtttga | attccaaatc | caacacttac | tgctgtgtg | accttggata | 3420 |
| gtgccacca | ct | | | | | 3432 |

<210> 7542

<211> 1297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (210)...(1096)

<223> similar to gi289707 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7542

| | | | | | | |
|------------|------------|------------|-------------|-------------|-------------|------|
| gcacgagccg | gaaaggaggc | ccaaagcgcg | ggcggcgagg | caagatggcg | gcaaccaaga | 60 |
| ggaaacggcg | tggaggcttt | gcagttcagg | cgaagaagcc | aaaaagaaac | gaaatagatg | 120 |
| cggagccgcc | agctaagcgg | cacgccacag | cagaggaggt | ggaggaagaa | gagagggacc | 180 |
| ggatcccagg | ccccgtttgc | aagggaaagt | ggaaaaataa | ggaacggatt | ctcatctttt | 240 |
| cttcagagg | aataaatatt | agaacaagac | atttaattgca | ggacttgaga | atgttgatgc | 300 |
| ctcattctaa | agcagatact | aaaatggatc | gtaaggataa | gctattttgtg | attaacgagg | 360 |
| tttgtgaaat | gaagaactgt | aataaatgca | tctattttga | agctaagaaa | aaacaggatc | 420 |
| tctatatgtg | gctttcaa | tcacctcacg | gacctctgc | taaattcctt | gttcaaaaata | 480 |
| ttcataccct | cgctgaactg | aagatgactg | gaaactgttt | gaaaggttct | cggccccctt | 540 |
| tgtcttttga | ccctgctttt | gatgaattac | cacattatgc | tttgttaaaa | gaactcttaa | 600 |
| ttcagatctt | tagtacacca | cggtatcatc | ccaaaagcca | accattttgtg | gaccacgtgt | 660 |
| ttactttcac | cattttggat | aataggatat | ggtttcggaa | ctttcagatc | atagaagaag | 720 |
| atgctgctct | tgtagaaata | ggacctcggt | ttgtcttaaa | tctcataaag | attttccagg | 780 |
| gaagttttgg | aggaccaact | ttatatgaaa | atcctcacta | ccagtcacca | aacatgcac | 840 |
| ggcgtgtcat | aagatccatc | acagctgcaa | aatacagaga | gaaacagcaa | gtgaaagatg | 900 |
| tgcaaaaact | gagaaagaaa | gagccgaaga | ctcttcttcc | acatgatccc | actgcagatg | 960 |
| tttttgtaac | accagctgag | gagaaaccaa | tagaaatata | gtgggtaaaa | ccagagccaa | 1020 |
| aagttgattt | gaaagcaaga | aagaaacgga | tttacaaaag | gcaaagaaaa | atgaaacaga | 1080 |
| ggatggacag | tgggaaacaa | aaataagtca | atggaaacct | gatttgtttt | tcagttactt | 1140 |
| tatatttatt | ttgtattcaa | tgtgtaaata | cttttattat | ctaatactat | cttacgtcta | 1200 |
| attagtgtag | catttacaag | aaagaaaaat | taagatctta | aaatcagtga | ttatcttttt | 1260 |
| ctaaataaaa | tatcaccaga | attcatcaaa | aaaaaaa | | | 1297 |

```

<210> 7543
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (134)...(577)
<223> similar to gi4894946 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7543
agtcgcggccc gcagcctcgg ggccccgcgg gcgcagcggg gcgggaggcg gggcgggccc 60
cccgtgggcg gagcggggcg gccctgtga cgctgcccc caactcgccc tcagccggct 120
ggccggcgcg gccatggagg tctacatccc gtcctttcgc tatgaagaga gcgacctgga 180
gcgggggatac acggtgttta agatagaagt gctaataaat ggaagaaaac attttggtga 240
aaagagatac agcgaatttc atgctttgca caaaaagctt aagaaatgta taaaaactcc 300
agaaatccct tctaaacatg ttaggaactg ggtcccaaaa gtcttggaac agcgacgaca 360
aggcttgga acataacttac aggctgtcat tttagaaaat gaagaacttc ccaaactggt 420
tcttgatttc ctaaagtgtc gacacttgcc ctctctacca aaggcagaaa gttgtggatc 480
ttttgatgaa acagagtctg aagagtcaag caaactgtcc caccagcctg tgctgctggt 540
cctcagggat ccatatgtct tgcctgcagc cagcggtaat caaacctgtc atctgctaac 600
agctctttac tgatctgacc ctgcaccaca taaaccacgt ttttaataca ggtctaacag 660
agtgacattg gtcccgggct taataatctg ccaataaacc agtgctcttg gtaaaaaaaaa 720
aa 722

```

```

<210> 7544
<211> 2560
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1089)...(1351)
<223> similar to gi4210352 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7544
caattaaatt gggtagcccc cggtttttcc cctccccccc ttgttaaacc cccgcccccg 60
gaatttaatt tggggggccc aaaaaaaaaa tttttccttg ccgcccccg gtagttaaat 120
ttggttcctt taaacggccc cccctttttt tttttttttt tggaaagcaa ggatcacact 180
tccccctccc tgttccttaa tcccttttct aaaaaggggg gaaaatccgg atggatttta 240
gggattggtc tgggtgcagc tgtgttttat tgcacaccta aatcctgatt ataggctttt 300
cattttctcg caaagccttt attttggcag ttaagccaaa tgtgttttcc agaaagttag 360
ttattttctc ctcttttctt ccttttcttc ctcccttttt ccgctctgaa ccccaaactg 420
tattgtccaa acatgaactg gacagcagct ttttggtttc ttgacctgt aatatggaca 480
gtctgctaatt attgcacaga aggtgagcgt ttttgggggt atagtcggtg attttcgcta 540

```

| | | | | | | |
|------------|------------|-------------|-------------|-------------|------------|------|
| atcaatcata | ttaggcaggg | aaaaaaaaatg | acttgtttct | gttggtacttg | agtcttaaga | 600 |
| aaaagtgcc | atagtttagt | gacaatttcc | aaaggcttta | gtaccacctg | tatttcaaaa | 660 |
| tgggggaccc | aaactcccgg | aagaaacaag | ctctgaacag | actacgtgct | cagcttagaa | 720 |
| agaaaaaaga | atctctagct | gaccagtttg | acttcaagat | gtatattgcc | tttgatttca | 780 |
| aggagaagaa | gaaaaagtca | gcactttttg | aagtgtctga | ggttatacca | gtcatgacaa | 840 |
| ataattatga | agaaaatatc | ctgaaaggtg | tgcgagattc | cagctattcc | ttggaaagtt | 900 |
| ccctagagct | tttacagaag | gatgtggtac | agctccatgc | tcctcgatat | cagtctatga | 960 |
| gaagggatgt | aattggctgt | actcaggaga | tggatttcat | tctttggcct | cggaatgata | 1020 |
| ttgaaaaaat | cgtctgtctc | ctgttttcta | ggtggaaaga | atctgatgag | ccttttaggc | 1080 |
| ctgttcaggc | caaatttgag | tttcatctag | gtgactatga | aaaacagttt | ctgcatgtac | 1140 |
| tgagccgcaa | ggacaagact | ggaatcgttg | tcaacaatcc | taaccagtca | gtgtttctct | 1200 |
| tcattgacag | acagcacttg | cagactccaa | aaaacaaagc | tacaatcttc | aagttatgca | 1260 |
| gcatctgctt | ctacctgcca | caggaacagc | tcacctactg | ggcagttggc | accatagagg | 1320 |
| atcacctccg | tccttatatg | ccagagtaga | gtactgacca | gcaaaatgga | gaagatcaga | 1380 |
| gaatgcagca | gcagtttttt | ttcttgtttt | cttaccactt | tattctttca | gagtttaaag | 1440 |
| aaaatggact | catgcacaga | acactatgca | ttttgaaact | tgttcatcct | ggattttttt | 1500 |
| aaatcatttt | tatctcagaa | cttaaacaaa | aattagatgt | cgtgcacgga | ctgtgtgaaa | 1560 |
| gaagatgctt | tgcataattg | ctgcactgca | tcagtatctt | actaaaaatg | tgaaatgaaa | 1620 |
| ggactattgt | acactgaaat | gcttaaattg | atctgaaagc | acaaggtgat | actcattttt | 1680 |
| atggtcttcc | catttggtgt | ggtttttgcc | tctttgacat | ctgtcatcag | tatttagagg | 1740 |
| gtgagaagtg | aatgtaacag | gtataaataa | cattttttaa | aacaataact | ttgctataat | 1800 |
| cacagttggt | ccagagcact | gtcagataca | ttctaatagac | cagaactggg | ttaaaaaaag | 1860 |
| aaaatacaac | catgggaagg | aaatcttaaa | tgaaaaacgc | atctcattgt | aggcattttt | 1920 |
| gcctcatatt | ttactggggc | atgtttgttt | cctggtactc | atgtattttt | tttttccaga | 1980 |
| tctctttccc | caagttgcta | ttgtaagagt | attctgctgc | gtgtggatgc | agttatacac | 2040 |
| attaaagcag | atctggagtc | tgaagtagct | ataaagcagc | tataaaacag | aaatacatgc | 2100 |
| atagctgcag | aaaccatgat | aggtagagga | cttttctttt | ggttttggtt | tgttttgttt | 2160 |
| tgttttgttt | ttggtttttc | agagaagaga | tttttattac | aaagaaaaaa | attccagtga | 2220 |
| attgtgcaga | aatgctgggt | tttacaccat | cctaaagaaa | aactttacaa | gggtgttttg | 2280 |
| gagtagaaaa | aaggttataa | agttggaatc | ttaaattgta | aaattaacca | ttgagtgtca | 2340 |
| aagttctaaa | agcagaactc | attttggtgca | atgaacataa | ggaaagacta | ctgtataggt | 2400 |
| tttttttttt | ttttctcctt | ttaaattgaaa | aaaagctttg | ccttaagggt | tgcatacttt | 2460 |
| tattggagta | aatctgaatg | atcctactcc | tttgtagtaa | aactaggggt | taccagtttc | 2520 |
| caattgtatt | tagcttctgg | ttggaatttg | aaaaaaaaaa | | | 2560 |

<210> 7545

<211> 1465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (186)...(1459)

<223> similar to gi3341980 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7545

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| gcacgaggac | gccgagtgag | gctgaggctg | ggggcgaaac | gccgcagagc | tgcgtgtcgg | 60 |
| cggcgcattc | tgattggaca | gcggggaagc | ccgtcagcct | gttggtcccg | ctgatccgcg | 120 |
| cccgtagcgc | agggcagcct | ttaaccttta | gccccagtgg | gcgccagcca | ctcagatcgc | 180 |

| | | | | | | |
|------------|-------------|------------|-------------|------------|------------|------|
| ttcttgttgg | tatgtgtage | ggcagtgggc | gccggcggag | cagtctgagc | ccgacgatga | 240 |
| ggccggggac | gggagctgag | cgtggaggcc | tcgatgatggg | gcacctggc | atgcattatg | 300 |
| ccccaatggg | aatgcaccct | atgggtcaga | gagcgaatat | gcctcctgta | cctcatggaa | 360 |
| tgatgccgca | gatgatggcc | cctatgggag | ggccaccaat | gggacaaatg | cctggaatga | 420 |
| tgtcgtcagt | aatgcctgga | atgatgatgt | ctcatatgtc | tcaggcttcc | atgcagcctg | 480 |
| ccttaccgcc | aggagtaaat | agtatggatg | tagcagcagg | tacagcatct | ggtgcaaaat | 540 |
| caatgtggac | tgaacataaa | tcacctgatg | gaaggactta | ctactacaac | actgaaacca | 600 |
| aacagtctac | ctgggagaaa | ccagatgatc | ttaaaacacc | tgctgagcaa | ctcttatcta | 660 |
| aatgcccctg | gaaggaatac | aaatcagatt | ctggaaagcc | ttactattat | aattctcaaa | 720 |
| caaaagaatc | tcgctggggc | aaacctaag | aacttgagga | tcttgaagga | taccagaata | 780 |
| ccattgttgc | tggaaagtctt | attacaaaat | caaacctgca | tgcaatgatc | aaagctgaag | 840 |
| aaagcagtaa | gcaagaagag | tgaccacaa | catcaacagc | cccagtcctt | acaacagaaa | 900 |
| ttccgaccac | aatgagcacc | atggctgctg | ccgaagcagc | agctgctggt | gttgcagcag | 960 |
| cagcagcggc | agcagcagca | gcagctgcag | ccaatgctaa | tgcttccact | tctgcttcta | 1020 |
| atactgtcag | tggaaactgtt | ccagttgttc | ctgagcctga | agttacttcc | attgttgcta | 1080 |
| ctgttgtaga | taatgagaat | acagtaacta | tttcaactga | ggaacaagca | caacttacta | 1140 |
| gtaccctgc | tattcaggat | caaagtgtgg | aagtatccag | taatactgga | gaagaaacat | 1200 |
| ctaagcaaga | aactgtagct | gattttactc | ccaaaaaaga | agaggaggag | agccaaccag | 1260 |
| caaagaaaac | atacacttgg | aatacaaagg | aagaggcaaa | gcaagctttt | aaagaattat | 1320 |
| tgaaagaaaa | gcgggtacca | tcgaatgctt | catgggagca | ggctatgaaa | atgattatta | 1380 |
| atgatccacg | atacagtgtc | ttggcaaagt | taagtgaaaa | aaagcaagcc | tttaatgcct | 1440 |
| ataaagtcca | gacagaaaaa | aaaaa | | | | 1465 |

<210> 7546

<211> 1048

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (53)...(645)

<223> similar to gi4156162 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7546

| | | | | | | |
|-------------|-------------|------------|------------|------------|------------|-----|
| gcacgagccg | cggtaggggtg | ggaacccaag | cgggagagcc | gcgggatttg | cggccgccgc | 60 |
| catgccgtcg | tccccgtgc | gggtggcggt | ggtgtgctcg | agcaaccaga | accggagcat | 120 |
| ggaggcgcac | aacatcctca | gcaaacgggg | attcagcgtc | cgatcctttg | gaacagggac | 180 |
| tcacgtgaag | cttcaggac | cagctcccg | caagcccaat | gtttatgatt | tcaaaaccac | 240 |
| atatgaccag | atgtacaatg | atcttcttag | gaaagacaaa | gaactctata | cacagaatgg | 300 |
| gattttacat | atgctggaca | gaaataagag | aatcaagccc | cggccagaaa | gattccagaa | 360 |
| ctgcaaagac | ctgtttgatc | tgatcctcac | ttgcgaagag | agagtgtatg | accagggtgt | 420 |
| ggaagatctg | aattccagag | aacaggagac | ctgccagcct | gtgcacgtgg | tcaatgtgga | 480 |
| catccaggac | aaccacgagg | aggccacctt | gggggcgttt | ctcatctgtg | agctctgcc | 540 |
| gtgtatccag | cacacggaag | acatggagaa | cgagatcgac | gagctgctgc | aggagttcga | 600 |
| ggagaagagt | ggccgcacct | ttctgcacac | cgtctgcttc | tactgagccc | agcgcccgca | 660 |
| tggagccgcc | tctggagctt | cctgttgctt | atactttttc | cttcttgaca | tttgttttta | 720 |
| cttacagggtg | ttctgctggg | gacggtagca | ttacccaaat | aaactgtgca | tatgaaatgg | 780 |
| gagaggagat | gccaaaacgc | cagatgaaag | caatcaagtt | tcttcttttc | cacttttact | 840 |
| tatgagcggg | atattgatta | caaagttttt | cttctttaac | caaaaaggaa | agacaacggt | 900 |

| | | | | | | |
|-------------|-------------|------------|-------------|------------|------------|------|
| ttgtgtgcac | ttccccgacat | acctgtgtct | tctgtgtgcct | gccttccttc | cctcctcccc | 960 |
| accgggcccgg | actgtacaga | gccctgctgc | ggcgtgttag | gaatgacctg | gaattgtcaa | 1020 |
| taaacagatg | ctgctgtcaa | aaaaaaaa | | | | 1048 |

<210> 7547

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (66)...(375)

<223> similar to gi3114822 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7547

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|-----|
| cttcattctt | cgccaggctc | tctgctgact | caagttcttc | agttcacgat | cttctagttg | 60 |
| cagcgatgag | tgcacgagtg | agatcaagat | ccagaggaag | aggagatggt | caggaggctc | 120 |
| ccgatgtggt | tgcattcgtg | gctcccgggtg | aatctcagca | agaggaacca | ccaactgaca | 180 |
| atcaggatat | tgaacctgga | caagagagag | aaggaacacc | tccgatcgaa | gaacgtaaag | 240 |
| tagaagggtga | ttgccaggaa | atggatctgg | aaaagactcg | gagtgagcgt | ggagatggct | 300 |
| ctgatgtaaa | agagaagact | ccacctaatc | ctaagcatgc | taagactaaa | gaagcaggag | 360 |
| atgggcagcc | ataagttaaa | aagaagacaa | gctgaagcta | cacacatggc | tgatgtcaca | 420 |
| ttgaaaatgt | gacttgaaaa | ttttgaaaat | tctctccaat | aaagtttgag | ttttctctga | 480 |
| agaaaaaaaa | aaaaaa | | | | | 495 |

<210> 7548

<211> 1574

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (781)...(1350)

<223> similar to gi5923992 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7548

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| cggtatgcat | ctgagatata | aagaagaaaa | agccacagct | ccttccttcg | tgatgtcat | 60 |
| agtctgggag | aggaagaatt | cagtgtcctg | gcagggtaca | atgggtacat | ctttgcatat | 120 |
| gggcaaacag | gcagcgggaa | gacattcact | atcacagggg | gtgcagagcg | ttacagtgc | 180 |
| agaggcatta | tcccaaggac | actgtcctac | atttttgaac | agttacaaaa | ggacagcagc | 240 |
| aaaatatata | caacacacat | ttcctatttg | gaaatctaca | atgaatgtgg | ttatgatctt | 300 |

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|------|
| ttggatccaa | gacatgaagc | ctccaagttt | ggaagatttg | ccactcctat | gaaccaagct | 360 |
| tcaaccggtt | cccactgcat | tttcaccatt | catttggtcaa | gcaaggaacc | aggatctgca | 420 |
| actgtacgac | atgccaaact | ccatctgggt | gacctggctg | gttcagagcg | agttgcaaa | 480 |
| actggagtag | ggggccatct | tctaacagag | gccaaagtata | tcaacttgtc | actacattac | 540 |
| ttagaacagg | ttatcattgc | cctttcagaa | aagcaccgtt | cgcacattcc | ttatagaaac | 600 |
| tccatgatga | ccagtgtcct | aagagacagt | ttgggaggga | actgcatgac | aactatgatt | 660 |
| gcaacactct | ccttgagaaa | aaggaatctt | gatgagtcta | tatcaacctg | cagatttgca | 720 |
| cagcgagtgg | cactcataaa | gaatgaagct | gttcttaatg | aagaaattaa | ccccagatta | 780 |
| gtgattaaac | gcctacaaaa | ggaaatccag | gaactgaagg | atgaactggc | catggtcact | 840 |
| ggggagcaga | ggacagaggc | actcacagaa | gcagagctcc | ttcagctgga | aaaactaata | 900 |
| acatcctttt | tggaagacca | ggattcagac | agtagattag | aggttggcgc | ggatatgcgt | 960 |
| aaagttcatc | actgttttca | tcatttaaag | aaactattga | atgacaagaa | gatccttgaa | 1020 |
| aacaatacag | tctcctctga | aagcaaagac | caagattgtc | aagaaccatt | aaaagaagaa | 1080 |
| gaatatagaa | agctacgaga | tattctgaaa | cagagagata | acgaaatcaa | tatcctggta | 1140 |
| aacatgttaa | aaaaagaaaa | gaagaaagct | caggaggctc | tccacttggc | tggcatggat | 1200 |
| agacgtgaat | tcagacagtc | ccagagccca | cccttccgcc | taggaaaccc | agaagaaggt | 1260 |
| caaagaatgc | gactatcctc | agctccctca | caggcccagg | acttcagcat | tttggggaaa | 1320 |
| agatccagtt | tgctccacaa | gaaaatagga | atgagagagg | aaatgtcatt | aggatgccag | 1380 |
| gaggcttttg | aaatcttcaa | gagggaccac | gctgacagcg | ttaccatcga | tgacaacaaa | 1440 |
| cagattctga | aacagagatt | ttctgaagcc | aaggccctgg | gagaaagtat | aaatgaagca | 1500 |
| agaagtaaaa | tcggtcacct | gaaggaagaa | atcaccacgc | ggcatataca | gcaagtagcc | 1560 |
| ctaggaatct | cgga | | | | | 1574 |

<210> 7549

<211> 1421

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (69)...(785)

<223> similar to gi5231135 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7549

| | | | | | | |
|------------|------------|------------|-------------|------------|-------------|-----|
| ggcaatttcc | ggcgctccc | tcacgcccgc | cctccttgcc | gcccagccgg | tccaggcctc | 60 |
| tggcgaacat | ggcgcttgtc | ccctgccagg | tgctgcggat | ggcaatcctg | ctgtcctact | 120 |
| gctctatcct | gtgtaactac | aaggccatcg | aaatgccctc | acaccagacc | tacggaggga | 180 |
| gctggaaatt | cctgacgttc | attgatctgg | ttatccaggc | tgtctttttt | ggcatctgtg | 240 |
| tgctgactga | tctttccagt | cttctgactc | gaggaaagtg | gaaccaggag | caagagaggc | 300 |
| agctcaagaa | gctcatctct | ctccgggact | ggatgttagc | tgtgttgccc | tttctgtttg | 360 |
| gggtttttgt | tgtagcagtg | ttctggatca | tttatgccta | tgacagagag | atgatatacc | 420 |
| cgaagctgct | ggataatttt | atcccagggt | ggctgaatca | cggaatgcac | acgacggttc | 480 |
| tgccctttat | attaatcgag | atgaggacat | cgcaccatca | gtatcccagc | aggagcagcg | 540 |
| gacttaccgc | catatgtacc | ttctctgttg | gctatatatt | atgggtgtgc | tgggtgcatc | 600 |
| atgtaactgg | catgtgggtg | taccctttcc | tggaaacacat | tggcccagga | gccagaatca | 660 |
| tcttcttttg | gtctacaacc | atcttaatga | acttcctgta | cctgctggga | gaagtctctga | 720 |
| acaactatat | ctgggataca | cagaaaagta | tggaaagaaga | gaaagaaaag | cctaaatttg | 780 |
| aatgagatcc | aagtctaaac | gcaagagcta | gattgagccg | ccattgaaga | ctccttcccc | 840 |
| tcgggcattg | gcagtggggg | agaaaaggct | tcaaaggaac | ttggtggcat | cagcaccccc | 900 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| ctcccccaat | gaggacacct | tttatatata | aatatgtata | aacatagaat | acagttgttt | 960 |
| ccaaaagaac | tcaccctcac | tgtgtgttaa | agaattcttc | ccaaagtcac | tactgataat | 1020 |
| aacatttttt | ccttttctag | ttttaaacc | agaattggac | cttggatttt | tattttggca | 1080 |
| attgtaactc | catctaata | agaaagaata | aaagtttatt | gcacttcttt | ttgagaaata | 1140 |
| tgtaaagtc | aaaggggcat | atatagagta | aggcttttgt | gtatttaate | ctaaaggtgg | 1200 |
| ctgtaatcat | gaacctaggc | caccatgggg | acctgagagg | gaaggggaca | gatgtttctc | 1260 |
| attgcataat | gtcacagttg | cctcaaata | gcaccatttg | taataatgat | gtcaatttca | 1320 |
| tgaaaagcct | gagtgtattg | catctcttga | tttaatcatg | tgaaactttt | cctagatgca | 1380 |
| aatgctgact | aataaagaca | aagccaccct | gaaaaaaaaa | a | | 1421 |

<210> 7550

<211> 883

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (347)...(816)

<223> similar to gil399086 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7550

| | | | | | | |
|------------|-------------|------------|------------|------------|-------------|-----|
| ggggctcctg | gctgtgggtg | tggtactgag | gcttcagcgg | gtgccgccc | cctagagggga | 60 |
| gtggagcggg | gagcacgtca | gggggtgggg | gcgaggtca | agctttcacc | agtttttaat | 120 |
| tctttgatgg | ggtaaatttg | agcaattttc | tcgacttgtc | gacattcggt | attaactgag | 180 |
| caggaatcag | gagaggaacc | cggtcctctc | cacacagccc | agcagagagc | ctacgactag | 240 |
| atttgcattc | ttacgtcctg | cgcgagggct | gctacacaca | tgcagaagtc | atgctgggtg | 300 |
| cctggacagt | gaaggagag | aagtggattt | gggagacatt | taggagatgg | caccaaagc | 360 |
| gaagaaggaa | gctcctgccc | ctcctaaagc | tgaagccaaa | gcgaaggcct | taaaggccaa | 420 |
| gaaggcagtg | ttgaaagggtg | tccacagcca | caaaaagaag | aagatccgca | cgtcacccac | 480 |
| cttcggcgcg | ccgaagacac | tgcgactccg | gagacagccc | aaatatcctc | ggaagagcgc | 540 |
| tcccaggaga | aacaagcttg | accactatgc | tatcatcaag | tttcgctga | ccactgagtc | 600 |
| tgccatgaag | aagatagaag | acaacaacac | acttgtgttc | attgtggatg | ttaaagccaa | 660 |
| caagcaccag | attaacagg | ctgtgaagaa | gctgtatgac | attgatgtgg | ccaaggtcaa | 720 |
| cacctgatt | cggcctgatg | gagagaagaa | ggcatatggt | cgactggctc | ctgattacga | 780 |
| tgctttggat | gttgccaaca | aaattgggat | catctaaact | gagtccagct | gcctaattct | 840 |
| gaatatatat | atatatatat | atcttttcac | cataaaaaaa | aaa | | 883 |

<210> 7551

<211> 1827

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (74)...(1424)

<223> similar to gi758073 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7551

| | | | | | | |
|------------|-------------|------------|-------------|------------|-------------|------|
| aattccttga | agaggagaac | tggacgttgt | gaacagagtt | agctggtaaa | tgtcctctta | 60 |
| aaagatccaa | aaaatgagac | ttctagcaaa | gattatttgc | cttatgttat | gggctatttg | 120 |
| tgtagcagaa | gattgcaatg | aacttcctcc | aagaagaaat | acagaaattc | tgacaggttc | 180 |
| ctggtctgac | caaacatatc | cagaaggcac | ccaggctatc | tataaatgcc | gccctggata | 240 |
| tagatctctt | ggaaatgtaa | taatggtatg | caggaaggga | gaatgggttg | ctcttaatcc | 300 |
| attaaggaaa | tgtcagaaaa | ggccctgtgg | acatcctgga | gatactcctt | ttggtacttt | 360 |
| tacccttaca | ggaggaaatg | tgtttgaata | tgggtgtaaaa | gctgtgtata | catgtaatga | 420 |
| ggggtatcaa | ttgctaggtg | agattaatta | ccgtgaatgt | gacacagatg | gatggaccaa | 480 |
| tgatattcct | atatgtgaag | ttgtgaagtg | tttaccagtg | acagcaccag | agaatggaaa | 540 |
| aattgtcagt | agtgcattgg | aaccagatcg | ggaataccat | tttggacaag | cagtacgggt | 600 |
| tgatgtgaac | tcaggctaca | agattgaagg | agatgaagaa | atgcattggt | cagacgatgg | 660 |
| tttttggagt | aaagagaaaac | caaagtgtgt | ggaaatttca | tgcaaattcc | cagatgttat | 720 |
| aaatggatct | cctatatctc | agaagattat | ttataaggag | aatgaacgat | ttcaatataa | 780 |
| atgtaacatg | ggttatgaat | acagtgaagg | aggagatgct | gtatgcactg | aatctggatg | 840 |
| gcgtccgttg | ccttcatgtg | aagaaaaatc | atgtgataat | ccttatattc | caaatgggtga | 900 |
| ctactcacct | ttaaggatta | aacacagaac | tggagatgaa | atcacgtacc | agtgtagaaa | 960 |
| tggtttttat | cctgcaaccc | ggggaaatac | agccaaatgc | acaagtactg | gctggatacc | 1020 |
| tgctccgaga | tgtaccttga | aaccttgtga | ttatccagac | attaaacatg | gaggtctata | 1080 |
| tcagtgaagt | atgcgtagac | catactttcc | agtagctgta | ggaaaatatt | actcctatta | 1140 |
| ctgtgatgaa | catttttgaga | ctccgtcagg | aagttactgg | gatcacattc | attgcacaca | 1200 |
| agatggatgg | tcgccagcag | taccatgcct | cagaaaatgt | tattttcctt | atttggaana | 1260 |
| tggatataat | caaaattatg | gaagaaagt | tgtacagggt | aaatctatag | acgttgccctg | 1320 |
| ccatcctggc | tacgtctctc | caaaagcgca | gaccacagtt | acatgtatgg | agaatggctg | 1380 |
| gtctcctact | cccagatgca | tccgtgtcag | ctttaccctc | tgaacttctg | atcgaaggtc | 1440 |
| atccctctcc | agcttgagtg | gatcaaagat | gacaagggcc | aatggaacca | agtttgagtc | 1500 |
| ttgccaggtc | aatacttggg | tcttgagtat | ggtgactagt | atctgttttg | ttatgtgtgt | 1560 |
| attattccag | ccagaatggg | aaatgcta | tcagctcctc | caggcagccc | aatggggctg | 1620 |
| gtggctttga | tattattaaa | ctctttctct | gctgcaaac | ccactgtctc | agtgtattgt | 1680 |
| tctgttgctg | tgcagcaggc | atacaaatct | gacaatctcg | taactatttg | tggcaagcca | 1740 |
| ggtcgaggtc | actctctttg | agggcattta | ctcactgcct | agtgccccct | ttccactggg | 1800 |
| acagaccag | agacaaaccc | tagcagc | | | | 1827 |

<210> 7552

<211> 1393

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (181)...(530)

<223> similar to gi2613002 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7552
aggggcgctc cggccagtga ttggctggag gtttgttaac tattcatgag ggggcgggcc 60
gagcggggcg gcctttgtta agcagcgagg gcgcgaccgg gggactctg ctgccggctt 120
ctcggagcgg cgctgggcga ccagagcagg gtcgagatgt cctacatccc gggccagccg 180
gtcaccgccc tggtgcaaag agttgaaatt cacaagctgc gtcaagggtga gaacttaate 240
ctgggtttca gcattggagg tggaatcgac caggatcctt cccagaatcc cttctctgaa 300
gacaagacgg acaaggggat ttatgtcaca cgggtgtctg aaggaggccc tgctgaaate 360
gctgggctgc agattggaga caagatcatg cagggtgaacg gctgggacat gaccatggtc 420
acacacgacc agggccgcaa gcggctcacc aagcgctcgg aggaggtggg gcgtctgctg 480
gtgacgcggc agtcgctgca gaaggccgtg cagcagtcga tgctgtccta gcagccacca 540
ccatctgcga ctcctgcctg ccgcctctct gtacagtaac gccacttcca cactctgtcc 600
ccatctggct tctgctgacc gctgggcccc agctcagaag ggctatagct ggtcccagag 660
gcctggcctg gccttccttc ccttctccca tccctggcct ggggcctctg ggaccagctt 720
tctctcctgg acaccgagga ttggaataaa gggcctggag ctgagtagta gccagtctgc 780
tgtgaccaca ggctcaggtc cgaccctgct gcttggccac agcagtgggt gggcaagtgg 840
gaaccactat ctcttgggag ccccaaaaag ctgggaaatg ctggaggaac caggcctttc 900
ccgcttttgc ctggctgcag ggttcggctc cgccctgcc cccagccct cgtgtgtcca 960
caccgcagtg cctctgcccc tcgggggact ggacacacat cctgccagag gcgctacgaa 1020
gctttgcccc gatgaagcca ggtgggctcc gcgttcactc ccactctccc gaggggtgct 1080
ggcctcccca gggtttgctt tcttacggat ttagacgagg ttcgaggctc acctatcagg 1140
gcagctctca ggattgtcat tttcctcttt gcctgtgggt ttaacttttg tttttttta 1200
atcacaagtt tgatacaaaa tgtttttatc gtactctttg gagatgcccc ttctactttt 1260
gaatttagct tttactaatt cgcactctga agctcagcaa gtgcacaagc cttacttttg 1320
ttaccgtgga aaccactgcc gccctcccc gatgtgggtg gctcaataaa aatgctggaa 1380
ttcaaaaaaa aaa 1393

```

<210> 7553

<211> 3398

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3204)...(0)

<223> similar to gi34672 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7553
tttttttttt ttgtatttct tagtgctttt gattttaatt cttttggcat atctaaatgt 60
cagaaaagtg atatatacat acagaattca aaacaccttc ctaaaatggg tattattggc 120
cagtcattta catctttatt ttgaaagtct gaattgtcaa atagttctaa agtgcattct 180
tgcagctaata aaatagcagc atttgtttat aaaaccttaa gaaattcaga ccagggtctg 240
agaagtcaca ataaaaaatc agacatgatc tagatatagt cttccttaat catctaagac 300
aaacacttgt gtgaattagt ttataagtat acatgaaata tattttaaaa aaacattata 360
aaaaattcat acagtgatga aaaaaggagt cttcctctgc tattaatatt aaatatggca 420
aaacatacac tatacaagggt ttgttgaata ctagtgtgct ttggaaccat agggaaagct 480
ttgctctggg tcagtgtatg atgtagctga ggtccgtgat tttcaacaaa gctggagtgc 540
tacaagatga cctggaagac tgcttctggc atggctttcg agaaatcatc cacacaaatg 600
aaaatgttct ttcagtactg ggactgtcag ttcattggctt tttgcgcttg ggtgtgtcgt 660
gatgctgata tccagggtccc agctgggatc ctgctctcat ctccacagcc acagaacacc 720

```

| | | | | | | |
|-------------|-------------|-------------|------------|------------|-------------|------|
| ttgtttctac | atcgggtccat | tcagactctg | caccatctgg | ttgggcaggt | gctactgtgg | 780 |
| aagatcttcg | ttttcgacta | ccatttggtg | attcttgctt | taaagtctca | atatcagtaa | 840 |
| actgaacaga | ttgtccacca | ccccttggtt | tataaatatc | acccttaatt | agtttagttt | 900 |
| caatctcccc | atcggaggct | agttcctggt | gggtcagcat | gtacttctca | cacttagcta | 960 |
| gtgccttttc | atttgcaaca | gatactgtga | tggcatgagg | gacatgtggc | tgcagtactg | 1020 |
| tttcagtttg | catgttagag | gcgggcttat | gatctacca | tctgtctcct | gcagagcgtg | 1080 |
| atcgtctgtg | tcggagacga | attggtggtg | cgttctgata | agggtgaaag | agtaaaggca | 1140 |
| caggtgatgg | agaaacagat | ctttgagtaa | ctttttctcg | atctcgctcc | cgagaggggc | 1200 |
| tctctggctt | ctcagtttta | ggttcagtaa | caatagcctt | cagttgtttc | agcttttcat | 1260 |
| ctttaaccca | gagtttattc | tgcactctca | gctgtttggc | tgccactcta | cgctcacatt | 1320 |
| ctttctccca | cttcattgtc | gtttctgtca | ccatgccttg | caacctggct | tctaactctgc | 1380 |
| gtttgtcaga | aaactgtcgc | tgaagtttct | ggttctgagt | ttcaagttcc | tggtgcaa | 1440 |
| tgcgtttatc | ttcctcatag | atagtagttg | ttttctctaa | aatctcaatc | ttatatctta | 1500 |
| aagttttggt | tttcttttcc | agtcgttcta | tttccaattt | ctgtcctgag | atcatcttct | 1560 |
| ccttttcatt | tagtttccct | tgcagtgtgg | tttctttact | taaaacagca | ttgtcaaatt | 1620 |
| cttgtaacaa | agctttaaaa | gcattagatt | gtttgttaaa | ctcatcaatc | atcatttgct | 1680 |
| gtaagttatg | tcgtttctct | aaggcttcaa | tcagccttgg | aagtgtctgc | tcacgttga | 1740 |
| tatccaaaat | ttcgcatgac | ggcaaagggtg | gaaaactctg | caaaaccacg | tcagtaacca | 1800 |
| atggttcatt | tccaagtggg | acctcgaggc | tggtttctgt | atctcctccc | aggcggtaaa | 1860 |
| ccacatattg | ccttgtctac | aggtcttgct | acttcaactt | cttgagtcac | ttccgcaa | 1920 |
| ctcatgactt | gcaagttttc | ttcataatct | tcagccttgg | ggttcacaca | cacgatcatc | 1980 |
| cgcacttttc | cttccccatc | aaagtagttc | ttgaacagat | gggttaactt | tgaatctcga | 2040 |
| tatggaacca | tcttgttagt | tcatacatatt | tggttctctc | ttaggacatc | catacatggt | 2100 |
| cttagcgtca | ttagtgactg | attaatatta | ccagcttcac | gtaatctggt | cccttctgct | 2160 |
| ctggtcgggt | tagttctttc | acttccagca | agatctacca | aggacaactg | acttatagtg | 2220 |
| atttgttctt | tttctgtaa | gacattgtct | ccatctgcat | ccaagggagc | ctgaactaat | 2280 |
| ttaatgttga | acacgctatg | ggaacggctg | gactcacgat | tcaaaggggt | attagcaata | 2340 |
| cgtctctttt | tctggcctct | ccagaaaact | tcaaaagcct | cctcagtaga | tttcacttca | 2400 |
| acttctgtac | atcctgcaac | atacatgtta | tggttcttaa | tcttcacgaa | gcaatttaga | 2460 |
| ttgtggagggt | ttgggtttat | gggatcaaac | ggcacctctt | ccaatagatc | atatatgtaa | 2520 |
| ttattatata | tttcaatata | agagacaaat | acaccataga | cactatcttc | atcaacctct | 2580 |
| tctgctttgc | agaattcttg | tacagttatc | atatctgcaa | actctggatc | tacttgtcgt | 2640 |
| ttgctagaag | aagtcttttg | attgggcata | gcttctcttt | tctgacgttc | taataaggca | 2700 |
| tcaacctcac | actgtatatc | catactattc | ctatcattag | atttgaaaac | atategttta | 2760 |
| gcttgaaatg | accctatact | gttaaagatc | atgtccaaac | aacgaggaag | cagccctcct | 2820 |
| tcccctggag | aaccagtcac | tgtgtgagtt | tttccacttc | ccgtcacacc | atatgtaaaa | 2880 |
| agaagaccat | ttttgccatg | aatgagggtca | ttgaccaagg | gattagccac | aacatcaaag | 2940 |
| agttccttct | gggtgggtgtg | agtgcacaa | acttgtttaa | atgaatactg | agtctcctta | 3000 |
| tagtctccat | ttcggttgag | tctgtagccc | tcaggagtat | gaagctgaac | agttgtatta | 3060 |
| ttgatcactt | ctatgcaaca | ctcttgatca | ggaaagccca | gtgggcgcac | cctacagtat | 3120 |
| accccaactg | ggtctttaag | gttcgttttg | gacctttttt | tcacggtagg | tttccgggggt | 3180 |
| gtcttagctc | tcgctgactt | catggcagca | ggctccacgc | cgcccaaacg | cgcagtcggg | 3240 |
| acggctggct | ggcgaagact | gcgggacgtt | aggaccggga | gcaagaacta | gaacttcgcg | 3300 |
| gctaaggcgc | ggtgctctgc | gaagccggcg | gcgacgctaa | gagcccaggt | gagctccgcg | 3360 |
| ctgggcgcac | tttcaaacgc | gccaatcagc | gcccgctcc | | | 3398 |

<210> 7554
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (923)...(588)

<223> similar to gi3925782 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7554

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|------|
| tccaagcac | tcatctctag | gagaccagat | gtcaaaacac | aaccacctct | ggcaacattt | 60 |
| ggaattatag | gatgcattcc | catgtaaact | ggcattaaga | aaaacaaaat | tgactaacc | 120 |
| aaaaataacc | caaatttaag | gaccagaagc | ataagccatg | aattttactat | ctcaggtaga | 180 |
| ctgagcattt | ggataattct | cattctccag | aaatcccaca | ggaaggaaaa | aataaataaa | 240 |
| tttatatata | ttcatataaa | gacttttatc | tattgtgcaa | agagagggtc | atctggctcc | 300 |
| ccagaagggt | ctcaacccca | tcaagactgt | ccattttaca | tctctagctc | cagttcttct | 360 |
| cagagagtaa | aagtgtcca | aaggcctgtg | atcatgggta | ctgattaagg | gctgcagact | 420 |
| cttcagatcc | agttaaatcc | ctggtgtttg | agctgtgtgg | gagctgtggt | tgcttgcttc | 480 |
| ctggctttgc | ctgaggctct | gccgcaaacc | ctgcagcagc | tggtttagga | gtgtaagggtg | 540 |
| gctgtctctg | cgaggcagag | gcaggggtgg | gaggcaattc | cctttatact | cgatcactgc | 600 |
| catcttgccc | cgatccaaac | tccgatttgg | gatctgcagc | attcttgtgt | agccccagt | 660 |
| ttgatctttg | taccgagggg | ccagtacttg | aaacagcttt | gggatcaaata | ccttctctgt | 720 |
| gagccagaag | tcagccatgc | gcatggctcg | ttcgtagtg | tctcccagct | tcccatagtc | 780 |
| gatgagcttc | tccgcgtagc | ccctcatttc | gtccacacgc | gcccaggtg | cctcgatgcg | 840 |
| ttcgtgccgc | accagccctg | tgagcaagtt | ccgcaacaga | tggatgcggg | actcgggacc | 900 |
| gaggcccata | cggcgaaata | cgcggccatg | ggagatcgct | gcagcgaccg | acagccgcat | 960 |
| gtttccaact | tctgcccgc | ccttgagggc | cggctcgtgc | c | | 1001 |

<210> 7555

<211> 1656

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (53)...(617)

<223> similar to gi4895035 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7555

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-----|
| ggcacgagca | catacctgat | tttctagatc | caaaagaact | caggcagaga | ccatgaaact | 60 |
| aaagcggatc | cagaaggagt | tgcaggcttt | agatgacatg | gtgtcagctg | acattggaat | 120 |
| tctcaggaac | cggattgatc | aggccagctt | agactattca | tacgctcgga | agcggtttga | 180 |
| cagggttgaa | gcagagtaca | ttgcagcaaa | gctagatata | cagcgcaaga | ctgagataaa | 240 |
| agagcaactc | actgaacacc | tttgtagcat | catacagcaa | aatgagctcc | gaaaggccaa | 300 |
| gaagttggag | gagttgatgc | aacaactaga | tgtagaagcc | gatgaagaga | ctttggagct | 360 |
| tgaggtggag | gtcgagagat | tgctacacga | acaagaagta | gaatcaagga | gaccagtggg | 420 |
| tcgttttagag | aggccatttc | agcctgcgga | ggagagtgtg | acattagaat | ttgctaaaga | 480 |
| gaacagaaaag | tgtcaagaac | aagctgtttc | cccaaaggta | gatgaccagt | gtggaaattc | 540 |
| cagtagcatc | ccctttctta | gtccaaactg | cccaaatcaa | gaaggtaatg | acatttcagc | 600 |
| tgctttggcc | acatgaagtt | ctggtattct | tttgagctaa | tatggtattg | agtaaagtat | 660 |
| actttttgca | gtagatcatg | ccctgacctc | caataaaaac | ctctttaaaa | caatgctgat | 720 |

| | | | | | | |
|------------|-------------|-------------|-------------|------------|------------|------|
| ttttgaattc | atgattagtt | ttagtaaatt | aataggtttg | gccattctaa | aatccaaaat | 780 |
| tatgataact | gtattttctag | gggtatgttt | caccttgatt | ttggcccggg | tctttcagtg | 840 |
| ttccgtttac | cctttttact | gaaagtaagt | gacttaaaag | gatggaagaa | aaactacatg | 900 |
| gttgagtggt | ttttagatca | gataaatata | gaaaagtaaa | atggaaaatg | atactcaata | 960 |
| cctagttaaa | ctcatttcac | ttctcctggg | agacgtatta | agactggaag | tcctatttta | 1020 |
| tttaatcagt | atcagtaaaa | agacaaaaat | tacagtgtga | acaagagaaa | aacaggaata | 1080 |
| gaagaaaaaa | gttgcagggt | gaattatcta | tctggatatt | actagagttg | taaaacacaa | 1140 |
| cttggaact | ggaatttatg | tgaagaacca | aacaacttaa | accagcatca | cttttgtctt | 1200 |
| caatttgcct | tccagtgatt | ttagttttaca | acctgcgttt | tgttatttga | aacacacaca | 1260 |
| cttatatata | aacacatgta | attttactat | tttattgtct | ttcctttaat | cgatgaattg | 1320 |
| attaaattta | gacaattaaa | acattttctaa | agtgagactg | aaaataatat | agaaaatctc | 1380 |
| attgctactt | gtgattatca | aaaaaagtat | gtattttctt | tctaaagtta | tctataaata | 1440 |
| tgtttttgat | atgttggaca | tgaattaccc | tgctcatgaag | cgtttaaatt | gttaaaatgc | 1500 |
| tgattttctt | attagtttgt | taattgcctg | ttactagtac | ttgaccaata | cattgtgcta | 1560 |
| tatgtaaagt | tgtaataaaa | tattgttaatt | ttctcacaaa | gtctgtgaat | atcacattat | 1620 |
| gatttattta | tcagaaattc | caaaaagtaa | aaataa | | | 1656 |

<210> 7556

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (509)...(234)

<223> similar to gi4803699 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7556

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|-----|
| tttttttttt | ttaacggttt | gtattttgtt | ttatttttat | ttagaagtag | agaatacagt | 60 |
| aatagtgagg | caggagaaca | gggaattagg | atagccaggg | gtaggggcat | aagcaaagga | 120 |
| atagcagggt | cagccagttt | gcataaacia | gagaacagca | gggtgcagccg | gttctaggca | 180 |
| agatcaggca | gcatgcaggc | aagatcaggc | agcatgcagg | ccacatcctc | atgcctttat | 240 |
| cagtcggcga | atactgtaag | aaattaagag | gatcgttcca | ataataccag | ccatcacaca | 300 |
| caaaataatg | agtattatca | ctacaggagc | tggtacagtg | aaacgatgga | caagttgtcc | 360 |
| cgttttctca | tttgtctgtg | atgagatgta | actctttgtg | actgaagaag | aggttgaagt | 420 |
| gtgcattgcc | acctcagtg | tacttaatgc | tgatatgctc | acaattttctg | acaatagtaa | 480 |
| tacaaagatt | atttttccat | acatcctgag | atcatgagct | ggttcctgct | cgtgccgctc | 540 |
| gtgcc | | | | | | 545 |

<210> 7557

<211> 1110

<212> DNA

<213> Homo sapiens

<220>

```

<221> misc_feature
<222> (194)...(620)
<223> similar to gi4757008 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7557
caagagggag agtgtgtgag agagagttag ttcaagccaa aatggccgac agagtctctg      60
ctggtttctg aatattttaa atacaaaaaa acagatagac aaaaagaatt catttttttg      120
accttttttc atttccattt ctaccttgta tgcttcaatt tgctggattt aagcactgct      180
gcactttatg agagagaagg agcaagaaag ggaagaacag ttaatggaag acaagaaaag      240
gaagaaagag gataaaaaa aaaaagaagc cactcagaag gtcacggaac aaaaaaccaa      300
agtgtccgaa gtgacgaaac caagtttaag ccaaccaacg gccgccagcc caattggcag      360
ctctccatcg ccaccagtca atggtggcaa caatgccaaa aggttggcag tgccgaacgg      420
acaaccgcca agcgcgccc gctacatgcc tcgggaggtg ccgccgcat tccgttgcca      480
gcaggaccac aaagtgttac taaaacgtgg gcagccccct ccaccgtcct gcatgtcctc      540
tggtgggtgg gcagggcctc ctccctgcac agcacctgga gcaaacccaa acaacgcaca      600
agtgtacagga gcgtgtgtgc agagtgtgag tgggactgag ccagactcaa cccttggagg      660
tgctgtgtgt tcaaattatg caaattccac ttggggctcg ggagcctcct ccaacaacgg      720
cacctcccc aacccaattc acatctggga caaggtgatt gtagacgggt ctgacatgga      780
agagtggcct tgtattgcca gcaaagacac tgaatcttct tccgaaaaca ccaccgataa      840
caccagtgcc tcgaaccctg gctctgagaa gagcactctg ccaggaagcc ccactagtaa      900
caaaggaaaa gggagccagt gccagtctgc aagttctggg aacgaatgta atcttgggg      960
ctggaaatct gaccctaagg ctaaactctg tcaatcttcc aactctacta cagagaacaa     1020
caatggacta ggaaattgga ggaatgtgag tggtcaggat agaattggac ctggctctgg     1080
cttcagcaac tttaacccaa atctcgtgcc                                     1110

```

```

<210> 7558
<211> 1589
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1590)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1268)...(129)
<223> similar to gi4929643 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7558
tttttttttt ttcaccagtg aagcaggagt tttattgagt tcttccatgt cacattaata      60
cattagcttc aagacacagt ttcaaagacc ccgggtcctt ctgacgtagt gtgttggagg      120
cagctaggcc agcttgaggc actgtgtgtt aaagctgtcc ccctccttgc cggcgacagc      180
ctccagcagg gcctgtttct tctgcatgct ccgtgaggac tccagctcgt acatgggtgg      240

```

| | | | | | | |
|-------------|-------------|------------|------------|-------------|------------|------|
| caggttgaag | agcacgctct | cgtgcaggta | gtgcctgggg | tcttgcctgga | ccatggcctc | 300 |
| cagctgccgc | agggagtcct | tgagcttgcc | caggtagagc | agacacacgg | cagcgttggt | 360 |
| gttggccact | gcgtttcttg | gatccatcct | taagatctct | gtgaagaacc | tgtgggcttc | 420 |
| tgcaaagtta | ttctgcccga | ggtgaaggaa | cgcgctgttc | atcaaaacca | tgattttacc | 480 |
| ctgtagtcca | tctaatttct | gtgttacttt | ctcaacgtct | tgaaaatact | tttcagctgt | 540 |
| ttttatgtct | ccaatctgca | gggaaatccg | gccgatgccg | ctgagcagct | ggggctcttg | 600 |
| ctctgggtaa | tacttgataa | ccgaatgata | cgcctccacg | gccagcacat | aatccttcat | 660 |
| caggagcaga | cagtttgcca | tggagtacat | cacccggccc | agacgtgacc | tccacagccg | 720 |
| gatagaggct | tgtctgccct | cctgagtcac | gctgctcatg | ccgccgtctt | ctgctaagcc | 780 |
| ttgctccaaa | ttggccagga | tcttgcctga | gacagtcttc | accttgtgca | gtctatccag | 840 |
| cgactcctgt | gggttcccca | ggtactgctg | aagctccgcg | tgcaagatgc | gcatcgagaa | 900 |
| ggggaccatg | gagccccctgc | gcccagggtg | cacgtgcggg | tagtactcgt | aataaagatc | 960 |
| tggctgatca | agatttccga | agggttcaaa | ttccatctca | gcattctgga | aaaggcccaa | 1020 |
| cttcactagt | agtgccagcc | tgacaaacca | gagctgcagt | gaatctgtcg | tgtggctggt | 1080 |
| gagcagcccg | ctcttgccgt | agccctggcc | gtgggctgtg | aggagacgtc | cgcacaggtc | 1140 |
| cactgctgcc | ctccagtttc | tgcagctgat | tagctgtttc | aatccaacaa | aagattgttc | 1200 |
| cactgagtcg | gcatttagga | cttgtctctt | tgctgcagct | ttttcaccca | gaaagcgaag | 1260 |
| catcaagtct | ttaaactgat | ctccctggat | gttgtcgaa | ctgaggcccg | gcatggtgag | 1320 |
| gttctccttg | tccacgaaca | cggcgccgcg | ctgctgggtg | gccacggccc | gcaggactcc | 1380 |
| acgcgtagcc | tcgccgggaa | gccaggcgct | gttcctccgg | tccatctcgc | ccatgctcag | 1440 |
| ggcgggtggca | aaggggtcgt | cactccctgc | aaacactgcc | tggatgtgcg | cgaagggatc | 1500 |
| tggaaacgcc | gggggcgcag | ctgcctgggg | ccctcgcatg | gccacggggt | cggggcaccc | 1560 |
| ccgnngnncc | ncgncatggc | ntacgaact | | | | 1589 |

<210> 7559

<211> 1994

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (51)...(1688)

<223> similar to gi2274966 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7559

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|-----|
| tttcgtggac | cgggtgcggt | ggtggctgcg | gcggcgccgg | cggtagcagc | atggattggg | 60 |
| gcactgagct | gtgggatcag | ttcgagggtc | tcgagcgcca | cacgcagtgg | gggctggacc | 120 |
| tgttggacag | atatgtaaa | ttcgtgaaag | aacgcaccga | agtggaacag | gcttacgcca | 180 |
| aacaactgcg | gagcctggtg | aaaaaatatc | tgcccaagag | acctgccaa | gatgatcctg | 240 |
| agtccaaatt | cagccagcaa | cagtccttcg | tacagattct | ccaggagggtg | aatgactttg | 300 |
| caggccagcg | ggagctggtg | gctgagaacc | tcagtgtccg | tgtatgtctt | gagctgacca | 360 |
| agtactcaca | agagatgaaa | caggagagga | agatgcactt | ccaagaaggg | cggcgggccc | 420 |
| agcagcagct | ggaaaatggc | tttaaacagc | tggagaatag | taagcgtaaa | tttgagcggg | 480 |
| actgccggga | ggcagagaag | gcagcccaga | ctgctgaacg | gctagaccag | gatatcaacg | 540 |
| ccaccaaggc | tgatgtggag | aaggccaagc | agcaagccca | ccttcggagt | cacatggccg | 600 |
| aagaaagcaa | aaacgaatat | gcggctcaac | tgcagcgctt | caaccgagac | caagccact | 660 |
| tctatttttc | acagatgcc | cagatattcg | ataagctcca | agacatggat | gaacgcaggg | 720 |
| ccaccgcct | gggtgccggg | tatgggctcc | tgtcggaggc | cgagctggag | gtggtgccca | 780 |
| taatagccaa | gtgcttgagg | ggcatgaagg | tggctgcaaa | tgctgtggat | ccaagaacg | 840 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| actcccacgt | ccttatagag | ctgcacaagt | caggttttgc | ccgcccgggc | gacgtggaat | 900 |
| tcgaggactt | cagccagccc | atgaaccgtg | caccctccga | cagcagtctg | ggcaccacct | 960 |
| cggatggacg | gcctgaactc | cgaggcccg | gtcgcagccg | caccaagcgc | tggccttttg | 1020 |
| gcaagaagaa | caagacagtg | gtgaccgagg | attttagcca | cttgccccc | gagcagcagc | 1080 |
| gaaaacggct | tcaacagcag | ttggaagaac | gcagtcgtga | acttcagaag | gaggttgacc | 1140 |
| agaggggaagc | cctaaagaaa | atgaaggatg | tctatgagaa | gacacctcag | atgggggacc | 1200 |
| ccgccagctt | ggagccccag | atcgctgaaa | ccctgagcaa | cattgaacgg | ctgaaattgg | 1260 |
| aagtgcagaa | gtatgaggcg | tggctggcag | aagctgaaag | tcgagtcctt | agcaaccggg | 1320 |
| gagacagcct | gagccggcac | gcccggcctc | ccgaccccc | cgctagcgcc | ccgccagaca | 1380 |
| gcagcagcaa | cagcgcatac | caggacacca | aggagagctc | tgaagagcct | ccctcagaag | 1440 |
| agagccagga | cacccccatt | tacacggagt | ttgatgagga | tttcgaggag | gaaccacat | 1500 |
| cccccatagg | tactgtgtg | gccatctacc | actttgaagg | gtccagcgag | ggcactatct | 1560 |
| ctatggccga | gggtgaagac | ctcagtctta | tggaagaaga | caaaggggac | ggctggaccc | 1620 |
| gggtcaggcg | gaaagagggg | ggcgagggt | acgtgccac | ctcctacctc | cgagtcacgc | 1680 |
| tcaattgaac | cctgccagag | acgggaagag | gggggctgtc | ggctgctgct | tctgggccac | 1740 |
| ggggagcccc | aggacctatg | cactttat | ctgaccccg | ggcttcggct | gagacctgtg | 1800 |
| taacctgctg | ccccctccac | ccccaaccca | gtcctacctg | tcacaccgga | cggaccgcgt | 1860 |
| gtgccttcta | ccatcgttcc | accattgatg | tacatactca | tgttttacat | cttttctttc | 1920 |
| tgcgcgtcgg | ctcgggccat | ttgtttttat | acaaaaatgg | gaaaaaaaaa | aaagaatttt | 1980 |
| ttttaaaaaa | aaaa | | | | | 1994 |

<210> 7560

<211> 1491

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1480)...(163)

<223> similar to gi535185 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7560

| | | | | | | |
|------------|-------------|-------------|-------------|------------|------------|------|
| gtttttcagc | tttatttcaa | atgctgtgta | gcataagaac | ctagccgtca | gacatcattt | 60 |
| tttagctatg | aaaaatatga | aacaaggcat | attctaaagt | gctgaaggaa | ttaattgcc | 120 |
| tattagataa | cgaataacctg | gaggaatgaa | cagagtgatt | tatggcttaa | agtgcttggg | 180 |
| tctgatcatc | atcttagcct | ctttgaagga | ggacttgtag | ccaccaggg | gtgcctcact | 240 |
| tacaccaggc | caggtacccc | agaaaatccc | attacggaca | cctctgtatt | tttggtgata | 300 |
| atatttgcca | tttaagtttg | cagaaagaca | tgcataaac | caccagcctg | aactgtagta | 360 |
| cagcccacag | ttcccagaag | gatatcgatc | attgtcttta | tctggagtgg | tgaaaaactt | 420 |
| cagatcgtgg | ttgtaatggt | tgttgaaacg | taatgcactc | ccagctgtgc | cattatagtt | 480 |
| accaacgtgt | aaacgatatt | tgagaaactc | attagccaca | taaaactgat | catacaaggc | 540 |
| atatagttcg | acaccattaa | agtcttcaag | atctattctc | agaatcattt | ccttactctt | 600 |
| ggtcagaaga | tgaattttat | cgttccccag | ccaaaattcc | cttctgaggt | ttccaaagcc | 660 |
| tgtttttag | tcttgccatg | ttctgggtgaa | gttgggtgctc | ccatcgagac | gtgcctgcag | 720 |
| cactgtccag | cctcccccca | tggctcccat | gtcacagtaa | acttcaaagc | tactattttt | 780 |
| gggatcagg | gtaactctgt | aggtctcact | gcttcttttg | cctattgcgt | agtagtcaga | 840 |
| gcaatcttta | tatattagat | gttgaaactgg | acgtgactgt | atttgttctt | ggctgggaca | 900 |
| ctttgaacat | ttgccatcca | aactattgac | aacaaatgtt | agatttgcca | ctttgctgtc | 960 |
| aacataattt | tctatgttgt | tcatattttac | aagattcagc | ttctccaggc | gaccatgaag | 1020 |

| | | | | | | |
|-------------|------------|-------------|------------|-------------|------------|------|
| tacattgatac | tcctcttttg | cattcttttag | ctcagaggac | agcttggttaa | cctcactctc | 1080 |
| taattctcta | actctgttat | caccaacctc | tcccggggct | cctgtactgg | gtaacaacag | 1140 |
| tccgtttctg | cctgggtctc | cgttgtcatc | agcctgcagc | ttgcagtcct | ggcaagattt | 1200 |
| ctttagacta | tttacgattt | ccttgagggt | ttggacttct | ttgaacacct | cctcgatcct | 1260 |
| gctgaattgc | ttcgggagct | gaatagtcaa | ggggggcagg | cttacctggg | aggggcactc | 1320 |
| ccctgcctct | tcgcatttcc | ctctgctttc | tagtctcact | gggcagacat | cctttgctct | 1380 |
| ttcatcttta | atttctctg | tttcattggt | tgccacaacc | aaaaaacctg | aagtggcaag | 1440 |
| aacagctgag | ctcagccagt | accagtttag | cagcttcata | tttacagtgc | t | 1491 |

<210> 7561

<211> 1725

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (43)...(823)

<223> similar to gil79789 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7561

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|------|
| ggaagagaaa | gcaggagccg | tccagcacgg | aggaaggcga | ccatggccaa | ggagtggggc | 60 |
| tacgccagtc | acaacgggtc | tgaccactgg | catgaacttt | tcccaaattg | caagggggaa | 120 |
| aaccagtcgc | ccgttgagct | gcatactaaa | gacatcaggc | atgacccttc | tctgcagcca | 180 |
| tggtctgtgt | cttatgatgg | tggtcttgcc | aagaccatcc | tgaataatgg | gaagacctgc | 240 |
| cgagttgtat | ttgatgatac | ttatgatagg | tcaatgctga | gaggggggtc | tctccctgga | 300 |
| ccctaccgac | ttcgccagtt | tcatcttcac | tggggctctt | cggatgatca | tggtctctgag | 360 |
| cacaccgtgg | atggagtcaa | gtatgcagcg | gagcttcatt | tggttcactg | gaacccgaag | 420 |
| tataacactt | ttaaagaagc | cctgaagcag | cgcgatggga | tcgctgtgat | tggcattttt | 480 |
| ctgaagatag | gacatgagaa | tggcgagttc | cagattttcc | ttgatgcatt | ggacaagatt | 540 |
| aagacaaagg | gcaaggaggc | gcccttcaca | aagtttgacc | catcctgcct | gttcccggca | 600 |
| tgccgggact | actggacctc | ccagggtcca | ttcaccacgc | cgccctgcga | ggaatgcatt | 660 |
| gtgtggctgc | tgctgaagga | gcccatgacc | gtgagctctg | accagatggc | caagctgcgg | 720 |
| agcctcctct | ccagtgetga | gaacgagccc | ccagtgcctc | ttgtgagcaa | ctggcgacct | 780 |
| ccacagccta | tcaataacag | ggtggtgaga | gcttccttca | aatgaggctg | ctggatcttg | 840 |
| ccctcttcag | gaaaggaaac | ctaccattgg | agagcttggt | tccttgccct | cttctgggtg | 900 |
| tccttactcc | aagtctattt | catttttcca | cactgagcaa | tgaatgtgag | agatgtggtc | 960 |
| accaagatct | aagtactttg | ttgaaagaaa | gttactttcg | acaagatcta | atatgaaagc | 1020 |
| atagattttca | catttgatct | ctgtaataat | catctttcct | ataaaagtag | catttttggt | 1080 |
| aaagtttcaa | agaagaagaa | acagagatgg | aagagtaaag | atatttttaa | aatggctagc | 1140 |
| tattgggcac | cagtttttct | gttatctaaa | atttcacaca | acttcattgt | ttttattttt | 1200 |
| atattatgag | ttgtccatct | taaagaaata | tgagtaattc | tacatgtagt | agaggtgtat | 1260 |
| gaagatcata | taacaattaa | acataagcca | gaaattaaaa | tgactataga | cagcaagaat | 1320 |
| tgagctaata | atatgtttta | actcttaaca | ccagcaagaa | gtcagtcatt | tattgaagtt | 1380 |
| ttagctacta | agattacttg | gttttgatta | ccagtgaaaa | gaaaacacaa | tacaatcagg | 1440 |
| agttttcaaa | tttttgattc | agtatttgaa | tttcttcttc | ataaatgtag | ttgaatttat | 1500 |
| cctagtattt | ttctttacct | gaagtagggc | catttatatt | taatttcact | acatttttct | 1560 |
| ttgcatgatt | attaaaataa | aaactgcctc | tggtgtgttt | ctcactggag | gctggaatga | 1620 |
| atgatcacta | gaacacaaaa | gagtgaatga | tgacacttga | agtcaaagca | gttgtactga | 1680 |
| tcaccagaac | caataaagac | ataaatggaa | aacgtaaaaa | aaaaa | | 1725 |

<210> 7562
 <211> 1032
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (107)...(521)
 <223> similar to gill177435 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7562

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|------------|------|
| ctgtggggca | gaggcgctgc | tgtggttggt | cagtccagta | agaagccagc | agggctggtg | 60 |
| ctggggcttc | ttctcctgaa | ggggctgcaa | gagggaaggc | ttagccatgt | cgtccttgat | 120 |
| cagaaggggtg | atcagcaccg | cgaaagcccc | aggggccatt | ggaccctaca | gtcaagctgt | 180 |
| attagtcgac | aggaccatth | acatttcagg | acagataggc | atggaccctt | caagtggaca | 240 |
| gcttgtgtca | ggaggggtag | cagaagaagc | taaacaagct | cttaaaaaca | tgggtgaaat | 300 |
| tctgaaagct | gcaggctgtg | acttcactaa | cgtggtgaaa | acaactgttc | ttctggctga | 360 |
| cataaatgac | ttcaatactg | tcaatgaaat | ctacaaacag | tatttcaaga | gtaattttcc | 420 |
| tgctagagct | gcttaccaag | ttgctgcttt | acccaaaggc | agccgaattg | aaattgaagc | 480 |
| agtagctatc | caaggaccac | tgacaacggc | atcactataa | gtggggcccag | tgctgtgtag | 540 |
| tctggaattg | ttaacatttt | aattttttaca | attgatgtaa | catcttaatt | aaccttttaa | 600 |
| ttttcacaat | tgatgacagt | gtgagtttga | tgaaaatatc | tgaagctatt | atggaaatac | 660 |
| catgtaatag | ggagagttga | acatgaatat | tagagaagga | atccagttac | ttttttaaat | 720 |
| tacacctgtg | tgcacctgta | ttactgaata | taggaaagag | ataccatta | catagttact | 780 |
| cagtaaacaa | aagagaaata | ccagggtagg | aaagaagagt | ttactatttc | ctgagaaata | 840 |
| atcaagaaca | tatttaattt | aaactaatga | tgtgaactat | ttagttttga | tgtccgttat | 900 |
| gtgattctgc | ttttacttga | gtaaaattaa | agtgttttaa | tttgagatca | aggagaagat | 960 |
| atgtggaaca | aatgtttata | tagataatat | ttttctaattg | gaaataaaat | aggcagattt | 1020 |
| caaaaaaaaa | aa | | | | | 1032 |

<210> 7563
 <211> 1503
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (171)...(714)
 <223> similar to gi4680713 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7563
gccggccttgc tttcccccctgc ggtcgtccag actattgggc gctagcgcgaga cgaactatttg 60
gtacgggggct agagaggaag gctttgggat tgccgggggag cagcgagcga ccgacttccg 120
tttccagtta ccaaggcacg aggatccggt gttccaaccc aggggggaaaa atgcggcctt 180
tgactgaaga ggagacccgt gtcattgtttg agaagatagc gaaatacatt ggggagaatc 240
ttcaactgct ggtggaccgg cccgatggca cctactgttt ccgtctgcac aacgaccggg 300
tgtactatgt gagtgagaag attatgaagc tggccgccaa tttttccggg gacaagctgg 360
tgtcgtggg gacctgcttt ggaaaattca ctaaaaccca caagtttcgg ttgcacgtca 420
cagctctgga ttaccttgca ccttatgcc agtataaagt ttggataaag cctgggtgcag 480
agcagtcctt cctgtatggg aaccatgtgt tgaaatctgg tctgggtcga atcactgaaa 540
atacttctca gtaccagggc gtggtggtgt actccatggc agacatccct ttgggttttg 600
gggtggcagc caaatctaca caagactgca gaaaagtaga ccccatggcg attgtggtat 660
ttcatcaagc agacattggg gaatatgtgc ggcattgaaga gacgttgact taaaacgaag 720
ccattccaag gacagacggc tgtatggaaa ggccgagctt tgtttcctgt gtttgtgtgg 780
actccaccat catgttgaat tttgtcaaca ctctggcctc ttcagggact tcttatttac 840
tgtactctct atcactgaca aatgcaggct ggattcttat tatatacaga gatggctcaa 900
aaatgggggt tcagatcttt gtgacgaaat agaatactgt ttcataattg aatcagaggg 960
cttcttggtc tgagaaatag gttcaaaatc attggaacca ggaacaagaa tagcttattg 1020
ttatctgtga taactgtgt ttctaaacac aaggattttc ttttttatta atatgcaaca 1080
tagacattgc cataacagaa taataaacca catgtggggg tttaaaaatg aaatttggct 1140
aataggagca attcagctat ttttctatac agtaattggt gtgtggtata gaagaaaaac 1200
gggttcaaac cccacttctg ccacctacca gctatatggc cttgaatgag tcattcagct 1260
ttaataaggt tcattttctt ctgttttaaaa agacacaaaa cttgaaaatc agctttggc 1320
atctacctga gaattgaaa gtctgatttt tgggaattaga aatcatgatt gtaggctggg 1380
cacagtggct cgcgcctgta atcccagcac tttgggaggg caaggcggac ggatcacttg 1440
aggttaggag tttgagacca gcctggccaa catggtgaaa ccccatctct actaaaaaaa 1500
aaa 1503

```

```

<210> 7564
<211> 1622
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (838)...(350)
<223> similar to gi5453264 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 7564
tttttttttga gtttaacaca gattttattg ccctatagac agttatgatg tgaccagtgg 60
atatcaatga aacttcttaa ttatttgagt ctgaaaatgc atatttataa cattaaaaga 120
ttgactccac tttgtgccaa gctctgcggg taggcatatt tcatatctta aaaaggcttg 180
taattcattc agggaggcaa aagcaaaatc tgtaattaga ggtagccat aatgttatga 240
aaagtgccat gagaatagag agagagaata aaatcataaa gatataaata aacatatttg 300
aactacaggt gatgtattgt cttaaattac ttctatatca taatcccgga gggccttcaa 360
tggaataatcc taggtagaaa gacactcttt ctatgttcct accacttctg agtggacctg 420
aataaacaga tattactggg atttttatgt tttcctctgt tccatattct acagagatta 480
gcttgccctc agcctgacca gtagacgac gcaggaggtc tttgaattca ttttttttcc 540
acacatcccc actgtgccag agggaatttg tattttgtgc tttatcaaag tactgctcta 600

```

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|------|
| ttttggcctt | gtgaacaata | ctgttttagac | ccttcctttt | gcccagatag | aaaagtgtgc | 660 |
| ttgcctgctt | ggacctgcac | atgcgcttgt | actgtccctt | gaaggatcta | tttaaggatg | 720 |
| aaacatactt | ttctattagt | ttggaatcct | gatctagctc | ttgattttct | ggccagaaca | 780 |
| ggaggcaggc | caagaaataa | ggacctggat | attgatgact | tagtcctaca | aattgcaaga | 840 |
| cctctcggag | ttgttttttt | agcgtggtaa | gtggttgaat | taacttggag | ttgggcttta | 900 |
| gacaactcag | aataatgttg | gccaaaatgg | aattttgttt | ctcatttgtc | atgggctttt | 960 |
| ttgagttttg | ctgcagtagg | aaggcatatt | cattcactat | actttccatg | gtggtagcat | 1020 |
| ctttgtagtt | tggattaaga | tattccaaga | gtccagcaaa | cctatctgct | ctcagagctt | 1080 |
| ctagcttttt | cctgcaattc | tcttcctgga | gtaattgact | ctctttactt | tgtaatagac | 1140 |
| atggatccaa | atgacagaaa | agttctgtgt | atttcctgaa | acaacgactg | actttcttgc | 1200 |
| ttaacatgat | ttctgcaatt | tctttttggg | tatacctcat | tttcagaaga | accatataat | 1260 |
| caataaaaaa | gtcaaagcac | cttttcagat | ctgattgtaa | attttttagg | tgggatgtga | 1320 |
| acttgctaag | agccaaataa | cattcatttc | tgggatcagg | aggaatggtc | cactttcctg | 1380 |
| ataaaaaattg | caccatatgt | tttttggata | attcattttc | tttgtggaaa | aagggagtga | 1440 |
| gctgaagaat | ctggatagtg | taaagaccaa | cttctatttc | acccaagaaa | caagctgtgt | 1500 |
| tatacatgtc | atatcgtctc | tgggacttct | gtggtgacca | gttctcgggt | tcatagtttt | 1560 |
| tactatcagt | ttgccttttg | gattctttga | aagctcttga | ggctttttcc | gcagcttcta | 1620 |
| gg | | | | | | 1622 |

<210> 7565

<211> 819

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (729)...(489)

<223> similar to gi29977 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7565

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | ttataaaac | ttcctcttta | atcaaggctt | ttaaacatga | acagatttct | 60 |
| tgaaataaaa | tggaaagttt | ccagtacact | gaaacataaa | tcccgaagt | caccacacat | 120 |
| acaacacccg | gcaggaaaaa | acaaaaacag | caagtttaca | tgatccctgt | aacagccatg | 180 |
| gtctcaaact | cagatgcttc | ctccatctgc | caagtgtgtt | ctggatacag | agcacatcgt | 240 |
| ggcttctggg | gtcacactca | gcttagcgct | gtgcggtcca | cagagcactc | atctggctgg | 300 |
| gctatgggtg | gtggtggctc | tacttaagaa | gcaaagcagt | taccagcaca | ttcaaacagt | 360 |
| gtattgaaca | tcttttaaat | atcaaagtga | gaaacaagaa | ggcaacataa | taatgttatc | 420 |
| agaaagatgt | taggaagtaa | ggacagctgt | gtaaagcttg | aggctgaaaa | gtagcttgcc | 480 |
| agcttcattt | ctttggtttc | ttgggtagtg | ggcgccggaa | cagcaagatg | tgaggttctg | 540 |
| gttcatggat | catataatgg | acccatccct | gactctgctg | aacgccaaga | ttcctccatt | 600 |
| cagattcaga | catcagatgg | gttttaggga | ccagcttggc | tatgtccttg | ggcagcatga | 660 |
| catgtcgata | ctcaaactcc | tcgtcgtcgt | atttgtccga | atagtaaatt | tgtttgtgcg | 720 |
| acatgatcgc | tcggtttgct | agccttcagc | cccgcgccgc | caacctccaa | gcaactccct | 780 |
| atagcacccc | ctctaccccc | tctagagcca | aaaaaaaaa | | | 819 |

```

<210> 7566
<211> 1460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1177)...(59)
<223> similar to gi4239682 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7566
tttttttttt ttgttccttc tgttttatttc attttggatg ctcaagtgaat gttaattaac      60
caggaaactt aaaagttatt tcaattatga acctcttcaa tccttcatca attatatttga      120
gtattctggt cttaaaaaca tctcttttctt ctacaaactt ctgaaagaga tgaacacctc      180
cacctacacc aaaataatgt gctttgctgg ccaaaagtac acgtccattt ttacttaaca      240
gtctaaggaa agtctggtgc aaattactat aataatctgg gttgtaaagt gtttctgagg      300
tgagaatgag atcatatttt acaaaaagtt ttctactact tagtacaagc ttacaaaact      360
cagaccactc accagaaaaa aatcggcatt tatatagttg tgttactttt ggtttcctgc      420
atcttttcac atctggctca tttacatcat tttcttcac ttccaaagtg gagttagcta      480
ctacattagg taaggttact tcatcaatca ccatactgtt ataatcttga aagtgaattt      540
ctttggaccc tcccttgaat gcagttatac ctagtaaacc tgatccacaa ccaagatcca      600
agactttttt cccagcaaat ttcacttttg cctttgtgaa ataagccagg aggtcaaagg      660
tacattccca gattttttaag cctccctcat aaacacctgt aatcagatca gagtgagaag      720
aaaagctttt tgaaactatg ttttctccag ggaagttctc tttcaacaag atggttttca      780
ctactgataa cttaacatgc tggaaacctg gtaatgtttc tatgacttta ttttctaaca      840
tcttctttta atcttttaggc atagcatgct ctttggcagc tctcaaggag ggctgttttc      900
catgtggctc caagtccctt gaactgctgg ctgcactgag tggactgtct gtgtcttgag      960
agggagctgc attttccatt gacttatgtt cccacaagtg atcctgaggc aagtcaaatt     1020
gttctgcaga acattttctg tccctctctt ctcttttttg actttctgag actgacagct     1080
cttttgagga atccagggtc aaagctccat ctctaattggg tgtttaattca ttttccagat     1140
ggtcttctat agtgaaatta aactgaaagg tcatcctctt attaaatgca cacaatcttt     1200
aaattcagat tcttcaactt ctggatagaa tttgatgata cacacaaatc tgcctcaatt     1260
attcaattag ttttgttggg cccaatttct ctttagcagc ttatacatgg taacaaatat     1320
ttagagatat ttccaaatga ctttttagac gtctttggtc ctctttccaa gcagctctgg     1380
ggatgcttgc ttcccagcgt gtctctggat cgcgcttctg aaaaagctca cctcacaacg     1440
cctcctccgg acctaaatcg                                     1460

```

```

<210> 7567
<211> 3407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (79)...(525)
<223> similar to gi4100164 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 7567

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| gttatttttc | aggagaagcg | ctacaaagca | gccactgtgc | ttactgaacg | gcctccccct | 60 |
| gtatcgctta | attgagaagg | tatacaaag | ctctcagtc | agccagacac | caagccgaaa | 120 |
| ggttggtgctg | gctgcaaccg | aaagatcaag | gaccgggtatc | ttctaaaggc | actggacaaa | 180 |
| tactggcatg | aagactgcct | gaagtgtgcc | tgctgtgact | gtcgcttggg | agaggtgggc | 240 |
| tccaccctgt | acactaaagc | taattcttate | ctttgtcgca | gagactatct | gaggctcttt | 300 |
| ggtgtaacgg | gaaactgcgc | tgctgtagt | aagctcatcc | ctgcctttga | gatgggtgatg | 360 |
| cgtgccaagg | acaatgttta | ccacctggac | tgctttgcat | gtcagctttg | taatcagaga | 420 |
| ttttgtgttg | gagacaaatt | tttcctaaag | aataacatga | tcctttgcca | gacggactac | 480 |
| gaggaaggtt | taatgaaaga | aggttatgca | ccccagggttc | gctgatccta | tcaacatcac | 540 |
| cccattaaga | atacaaagca | ctacattctt | ttatcttttt | tgctccacat | gtacataaga | 600 |
| attgacacag | gaacctactg | aatagcgtag | atataggaag | gcaggatggg | tatatggaat | 660 |
| aaaaggcgga | ctgcatctgt | atgtagtga | attgccccag | ttcagagtgtg | aatgtttatt | 720 |
| attaaagaaa | aaagtaatgt | acatatggct | ggattttttt | gcttgctatt | cgtttttgtg | 780 |
| tcacttgga | tgagatgttt | atgttggtg | attgtatata | atgtattgta | atatttgaag | 840 |
| cacaaatgta | atacagtttt | attgtgttac | catttgtgtt | ccatttgctt | ctttgtattg | 900 |
| ttgcatttag | tacaatcagt | gtttaaactt | actgtatatt | tatgctttct | gtattttacca | 960 |
| gctattttta | atgagctgta | actttctagt | aaagaattga | aaagcaaate | tcactaatga | 1020 |
| tacacagata | gataaagcaa | gtctatcaac | attaaaaata | ctaaaaaata | aagacacaca | 1080 |
| cagagcattt | tagtgacatc | cactacttat | tgccgctatg | agtttagagtc | tatcagtgtt | 1140 |
| cttgttataa | ccccctattt | tcaggggggt | taaaaatcag | ctttaaaaaa | atacataaaa | 1200 |
| atttcatctt | aaagcacttt | cattttatac | caacgtgaaa | agtgccattt | ttagaataac | 1260 |
| tttaaagctt | aacagggtttc | cttttaatat | cctttttttg | tgtgctcttt | acttacacaa | 1320 |
| tggttttgtt | ttgctttttc | agccacaccc | cttatgtgaa | ctagtgcctt | tgggtatcac | 1380 |
| gtaaaatttt | ttccaaaggg | ttacttttaa | aattctgttac | cacaattatg | agatgatttt | 1440 |
| taagtataaa | atataaactt | ttcttgata | aattctgccc | agatctctcc | acaagagctg | 1500 |
| aggggttcat | aactttatgg | cttaataaat | gtatgacact | gaaaagattt | gagtgtgaat | 1560 |
| ctactgaaat | cactataatg | cacattgaag | ctatgatggg | atttgagtag | tgaggttact | 1620 |
| tttgatcgga | gcaacataat | gtcatagaa | tcttctagaa | gaagagaaac | aaagggattg | 1680 |
| ataaaatgct | gagaactagt | gattatatat | ttttctgtat | ttacctgaca | tttattttta | 1740 |
| tgttcaaaaa | gtaaacactt | taagtttgat | gtgttttact | ctctcattgt | tttaagtaat | 1800 |
| tgccaactca | gaatacatca | ttcttaggct | gaaatttgte | tttccatttt | tttaaggta | 1860 |
| atagtactac | cttacgtgat | agcatacaaa | gaagaaagct | ctagaaagag | aaattatgga | 1920 |
| gaatgattat | ttaaattaca | attaaggaaa | tgagaatatg | atccccctct | ccgagttgcc | 1980 |
| cacaaacttg | cttctttgct | tttgctccct | gtaatagaac | tacttttcaa | caaactaat | 2040 |
| tttgacacgg | accgttaacc | atattttcac | tacagcaaac | ttagtgtctat | gggttttctt | 2100 |
| tttctttgtt | tttttcttga | tcacttgtat | aggaaacaat | attttccagt | gttatttgca | 2160 |
| tatatatttt | gtccttccaa | tatatgcatt | acagatgaaa | attaaatggt | atacctgaat | 2220 |
| tcttggttg | gggccaat | attaaggctg | gaaaataatg | ctgggtgtgg | gatttgtttt | 2280 |
| aaaacaaagg | cttttattta | tggaacatgg | catgtggaat | ctgggatatt | gcctcttatt | 2340 |
| tttaagaaaa | tggttctgtg | aaaagtgaat | gatatgtatt | tttccaaatg | cttcatgggt | 2400 |
| aggagtcttc | aagttccatg | ttccccagat | ttgagatata | ctaaagaaag | aaattcaaaa | 2460 |
| gtagctattt | ggggccaca | aaaataacta | ttatttttagc | cttagagcct | tacacttggt | 2520 |
| tcatgaagag | aaaggacttg | cataacccaa | ataaaccaaag | caagacaaat | taaaaatatg | 2580 |
| tgggggagag | atcagtgaag | agtggttttc | ttaatgcagc | cctgctgggc | cccattaaca | 2640 |
| attgcttgaa | attcacatgg | atgtaaaatt | ataattgtca | ggatcttatt | cagatgatct | 2700 |
| tttaaggttt | aactgggttt | gcttttgttt | atctatatgt | caaaataact | gtaaattggg | 2760 |
| aacaaacttc | tctcagcttc | ttgaagttgt | tcaactatcc | ttgccactgg | aagaccacaa | 2820 |
| aaggttttca | ctgctttttc | ttttacataa | tatgctgaga | attatttctt | atgctttttta | 2880 |
| ctacaaacaa | aattactcac | ctggattaaa | gattaaggcc | ttaatctgtt | tagattatct | 2940 |
| ttaatctcca | tgaaatcgtg | aaataagaca | agaatagtgt | ttcagctgta | ggccattttta | 3000 |
| cagctaattg | cccataaatt | gtagcattta | ttgacctgaa | gtactaagct | aattgtcttg | 3060 |
| actactcaaa | gcccctgaat | tggtgtcaac | tttccccctt | gtgttgggta | gccctaacgt | 3120 |
| catttagctt | gttgtctgat | gcctccagta | ggacacctcc | gatggagctt | tgatttctga | 3180 |
| gcagcgaaag | ctcccttcc | aagatgcac | tcgcataggc | tgccatgat | gaaggaccgt | 3240 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| gcacctccac | tccaacagag | tgctgagttt | aaaagttgac | ctgtgtttgt | aatttcactt | 3300 |
| tcattcttgc | taataaatat | ctgctggatt | ctttcattca | cttttttaca | tttgatttta | 3360 |
| tgtttttacc | caaaggggtg | ttcccctaaa | aaaaaaaaa | aaaaaaa | | 3407 |

<210> 7568

<211> 2571

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (219)...(657)

<223> similar to gi3213202 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7568

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|------|
| agacgcagct | cctcaggcgc | ccggcggtat | ttgttgggtc | ggcggcgctca | gggattcgca | 60 |
| gtggcctgtg | gtcggcgctcg | tccggccact | ggtgcgcccc | cgcggcaggc | agagctcacg | 120 |
| ctcctgtccc | ccggctggtc | cggggtctgg | gcgcgcgctc | gacggcggtc | ccgcaggacg | 180 |
| cgcagaccgg | gccgcagccc | atgccccgag | cggactgcat | tatgaggcac | ctgccttact | 240 |
| tctgccgggg | tcaagtgggtg | cggggcttcg | gccgcggctc | caagcagctg | ggcatcccca | 300 |
| cagctaattt | tctgagcaa | gtggtagata | atcttcacgc | tgatatatcc | actggtattt | 360 |
| actatgggtg | ggccagtgtt | ggaagtggag | atgtccataa | gatgggtggg | agcataggat | 420 |
| ggaaccata | ttacaagaat | acgaagaagt | ctatggaaac | acatatcatg | cataccttca | 480 |
| aagaggactt | ctatggggaa | atcctcaatg | tgcgcattgt | tggctacctg | agaccagaaa | 540 |
| agaactttga | ttcttttagag | tcaattattt | cagcaattca | aggtgatatt | gaagaagcta | 600 |
| agaaacgact | agagttacca | gaacatttga | aatcaaaaga | agacaatttc | ttccaggttt | 660 |
| ctaaaagcaa | aataatgaat | ggccactgat | gaaaaattgt | attatttatt | cattcactgt | 720 |
| tttctagtgt | ttctgtgttt | attactgttc | agcatcatct | tggttatata | ctgaaaatca | 780 |
| aacactttac | tacagtgtgtg | aattagttta | aaccgtacaa | tggtgttatc | atatcatgct | 840 |
| tcaactatta | aattaagccc | atcatatcat | agcactaaaa | agattgagtt | aaaaataaga | 900 |
| tttaaaaaat | atatattgat | taaaatgtac | cactagaaaag | gtattacatg | tgtataagta | 960 |
| tgggtaaaaa | ggcaagtcac | tagtttgaga | tgaaaactaa | aattttcatg | gtaaaatgcc | 1020 |
| agcatgtatg | tacttgtgtg | gtgtgtactt | ctaaacagag | aaggcttata | aaagtaaagt | 1080 |
| cattaaggcc | aagtgcagtg | gctcacaccg | gtaatcccag | cactttggga | ggccgaggtg | 1140 |
| ggaggattgc | ttgagctcat | gagttcaaga | ccagtcctggg | caacatagcg | agactccatc | 1200 |
| tctataaata | aaaaaaaaagg | aaatgcatta | aatagaaggt | tgatagttta | tcataaacct | 1260 |
| gcggggaaga | aactcagact | ttctattttt | gatattttgt | gcattaatac | attacaaaca | 1320 |
| tgaagatgtt | tgtaaagttt | tgtttttagtc | attttctttg | cagtcacatc | attgtaccac | 1380 |
| cttcattatt | gtatagagct | gcttcaattc | tgagtctctc | ggacttcccc | tgccatatctg | 1440 |
| tttggtgttg | ttgttgaaga | cagtaaaata | agtgttttca | aatctatatg | tctccttttt | 1500 |
| gttgataaat | gtttcttctt | tttaatggta | aatattcttg | ttcttcaaca | tttttctttg | 1560 |
| gttctttttt | ccttttttag | gaaaaacaaa | acaacagact | tcatecttag | gttttctcaa | 1620 |
| gatttaagtg | aacacattta | cacatatcaa | tttcttaaag | aacacaaaat | gtttctctcc | 1680 |
| tagcaaaact | atttaagagc | caattaaact | atgaaatagt | tataaaatta | tttttaatat | 1740 |
| ttaaggcctt | gaaattatat | tccaaggcaa | atctaaatgg | gtgtagttgt | atatgcacga | 1800 |
| tgtaatttaa | tgctaaagag | tacttacagc | ttgagggaaa | agcataaagt | tttagttaa | 1860 |
| tagccttcat | actgtggatt | tttcctccta | ctaactaata | tgtgggaaat | taagattaca | 1920 |
| gatgcttttg | gccccctcaa | acagtacatt | gctacagttc | actgtagcaa | cagatttggt | 1980 |
| ggtgatgggg | ggatagaggt | agaagcagat | agaaggtaat | tttaaagtta | atttattatg | 2040 |

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|------------|------|
| aatcattttc | ccctaactctg | cataaatgaa | ttagaactga | ttttaataaaa | aatattctgt | 2100 |
| gtaaaaagta | ctcagaaaaa | catctaaagc | tggtggagaa | gagggactca | tataaatagt | 2160 |
| tggtattgctg | tttgcttttt | atctctttat | aaaaatatgt | caaaaacagt | ttttaatttt | 2220 |
| agaaatctta | tacttgaaaag | aaacctcaat | tatcagtggc | tttatgaagt | aaagttaaaa | 2280 |
| acaaacatag | gaaatgtgaa | aatattttgtg | tttgttttgt | ctgactaact | tgctgctaaa | 2340 |
| tgctatcttt | aggtgtgtga | aagtctcttg | atatgttatt | gtccttttac | atcttgtaa | 2400 |
| atagccattg | cttttgagaa | tcagatagtg | tggtgtttag | gggttaattg | tgtctatc | 2460 |
| tttcaaaaac | ttttatatta | tgtattataa | gaagttacag | tagtaccatt | ttgattagtc | 2520 |
| tgaatgtttt | caggccttga | aataaatttt | gactaagtga | taaaaaaaaa | a | 2571 |

<210> 7569

<211> 1872

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (177)...(1350)

<223> similar to gi688292 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7569

| | | | | | | |
|-------------|------------|------------|-------------|-------------|-------------|------|
| ccaggaccca | gcagtgcct | ctgtccactg | ctctgggcca | ttccccaatc | ccccctccca | 60 |
| cttgagcccc | taactcagaa | tctgggaccc | aggggcccct | ccctacccca | gctaacctct | 120 |
| tctggaccag | gagagccaac | ccagatccca | ctacctccat | gagtgtctaca | gacaggatgg | 180 |
| ggcccaaac | tgtgccgggt | ctgcggctgg | cactgctgtt | gctgctgggg | ctagggacac | 240 |
| ccaagtcagg | ggtacagggg | caggaagggc | tggacttccc | tgagtacgat | ggtgtggacc | 300 |
| gtgtgatcaa | tgtcaatgca | agaactaca | agaatgtgtt | caagaagtat | gaggtgctgg | 360 |
| cactcctcta | ccatgaaccc | cccagggatg | acaaggcctc | acaaagacaa | tttgagatgg | 420 |
| aggagctgat | cctggagtta | gcagcccaag | tcctagaaga | caaggggtgtt | ggcttcgggc | 480 |
| tggtagactc | tgagaaggat | gcagctgtgg | ccaagaaact | aggcctaact | gaagtggaca | 540 |
| gcatgtatgt | attcaaggga | gatgaagtca | ttgagtacga | tggcgagtgt | tctgctgaca | 600 |
| ccatcgtgga | gtttctgctt | gatgtcctag | aggaccctgt | ggaattgatt | gaaggatgaac | 660 |
| gagagctgca | ggcgtttgag | aatattgagg | atgagatcaa | actcattggc | tacttcaaga | 720 |
| gcaaagactc | agagcattac | aaagccttcg | aggatgcagc | tgaggagtgt | catccctaca | 780 |
| tccccctctt | cgccaccttc | gacagcaagg | gggcaaagaa | gctgaccctg | aagctgaatg | 840 |
| agattgattt | ctacgaggcc | ttcatggaag | agcctgtgac | catcccagac | aagcccaata | 900 |
| gcgaagagga | gattgtcaac | ttcgtggagg | agcacaggag | atcaaccctg | aggaaactga | 960 |
| agccggagag | tatgtatgag | acctgggagg | atgatatgga | tggaatccac | attgtggcct | 1020 |
| tcgcagagga | agctgaccc | gatggtttcg | agttcttaga | gactctcaag | gctgtggccc | 1080 |
| aagataaac | tgaaaaccca | gatcttagca | tcactctggat | tgaccctgat | gacttcccc | 1140 |
| tgctgggtccc | atactgggag | aagacgtttg | acatcgactt | gtcagcccca | caaataggag | 1200 |
| tcgtcaatgt | tactgatgct | gataggctat | ggatggaaat | ggacgatgag | gaggacctgc | 1260 |
| cttctgctga | ggagctggag | gactggctgg | aggatgtcct | ggagggcgag | atcaacacag | 1320 |
| aggacgatga | cgatgatgat | gatgactagt | tgctatggca | accatctttc | agccccactg | 1380 |
| gtcttttcat | gctctctcct | gccttccctt | gtccttccct | gagttcctcc | agggagacta | 1440 |
| ggttattctc | tgccatagag | ctaactgggg | tctatatgct | gggtgctgag | acactgatcc | 1500 |
| ccctcatctt | atgagcaaat | gagctacttt | tccctagaca | ccaggcccag | ctcttctctt | 1560 |
| atctgacttc | tgtttcttat | ccccataact | tacgttgtat | ctattatgtg | tctcttccat | 1620 |
| cactctccat | actctttctt | gtgattctcc | tctagccata | tatatgggccc | cctatctctg | 1680 |

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|------|
| ttctgttccc | tccatctatg | cacagctttc | ccccactctc | tctaatacctg | tatcttttctg | 1740 |
| actgtcctgt | ccttggccag | aaggaaagga | gaatactgtg | tttgggactg | tatctcagca | 1800 |
| atcacttggt | aatgtatttg | ggtcaaata | gaggcctcaa | taaagacatc | tggggcagca | 1860 |
| tgaaaaaaaa | aa | | | | | 1872 |

<210> 7570
 <211> 1103
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (114)...(833)
 <223> similar to gi4539600 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|------------|------------|-------------|-------------|------------|------------|------|
| <400> 7570 | | | | | | |
| ctggcccttt | cctttccgcg | tgtagaatgt | ggggcgccctg | taaagttaag | gttcacgatt | 60 |
| ccttgccac | catttccatc | actctgagac | ggtacctgag | attgggggcg | accatggcaa | 120 |
| aaagcaagtt | cgagtacgtg | agggacttcg | aggctgacga | cacctgcctg | gcacactgct | 180 |
| gggtggtagt | gcggctggac | ggccggaatt | tccatcggtt | tgctgagaag | cacaactttg | 240 |
| caaaacccaa | tgacagccgt | gctctccagc | tgatgaccaa | atgtgcgcag | actgtgatgg | 300 |
| aagaactaga | ggatattgtg | atcgcgatg | gacagagtga | tgagtacagc | tttgtgttca | 360 |
| agcggaaaac | caattggttt | aaaagaagag | ccagtaagtt | catgactcac | gtggcctccc | 420 |
| agtttgcctc | cagctatgtg | ttttattggc | gggattactt | tgaggaccag | ccccttctgt | 480 |
| atccccccag | ccttgacgga | agagtcgtgg | tgtatcccag | caaccagact | ttaaaggact | 540 |
| acctcagctg | gcgacaagca | gattgtcaca | tcaataatct | ttataatata | gttttctggg | 600 |
| cacttataca | acaatctgga | ctaaccaccg | tacaagccca | agggagatta | cagggaactc | 660 |
| ttgcagcaga | caagaatgag | atthttgttt | ctgaattcaa | catcaactat | aataatgagc | 720 |
| cgccgatgta | taggaaaggg | actgtgttga | tatggcagaa | ggtggatgaa | gtgatgacaa | 780 |
| aagaaattaa | gctgccaaca | gaaatggaag | gaaaaaagat | ggcagtgacc | cggaccagga | 840 |
| caaagccatg | caagccctcc | cacctcccaa | gggctccttg | ccttaggttg | ctgtagcatc | 900 |
| cctaccacc | aggacactgg | tgcgaaatgac | acaactcaag | ttggggaggg | gaacagggaa | 960 |
| ggaagggatg | gatgggggtg | gtgtatctta | ctctgtttta | gcagaacacc | ttgtttgcgg | 1020 |
| tgttggaaca | tggttccttt | ggcagaagtg | cttttttttt | aatcgagta | ctatttttat | 1080 |
| aaagcaagaa | ctattccatg | cca | | | | 1103 |

<210> 7571
 <211> 1258
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1067)...(964)
 <223> similar to gi2108256 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 7571
aagaaccgag ggagaagccg gatgtttgca aacaatcgag gagacgactt gcggaaccaga      60
cggcgcggac gtgttcgtac ccggagcctc tgcgtggaag agcgcgttcg tcgcgaccct      120
gcccgtgctg ttggtcctcg cggcgctggc gctgggcgtc ctccggaagc agcggagaag      180
ccgagaaaag ctgaggaagc aggcggagaa gagacaaggt gagcggggac agggcgttct      240
gcacgcacct gcccaagtgc caaaaccgcg cgtcatctaa aggtgtgtgg tcccgttacg      300
agggtttatt ccagcgcgag gtgtcagggc ggccaccggg gaacggggat cggtgacccc      360
ggtggggaag ggggaagatc gttcatatgg aaaaagcgg aggtgcggaa cggctgcatt      420
ttccacggag gctagtgcac agatgtcagg gttgaccggc tgctgtcgtt acgcccctcg      480
agcttcacat cacactgtac agaggagcgg gtgaccaggg tctctgtctg cagcgcacc      540
tcgtccaggt tttcatagcg cacagggagt cgggcggatg cgcaacatct ccgcacaggg      600
tcaggaagcg gcggtcaggg accgagaaaa cagcccagtt acgtgaggca gtgtccgggg      660
cttaacgttt ccgccgagct aatagatttg ggaggtccg accctgattt tcacactagc      720
aggagggagg gcgctgggtc accctcctat gcagaagggc agccaagggt gcgcacttcc      780
ccatccccctg cctggagcct cacttcacgc ccagcctggg cccgcagacc accgcgggtg      840
ggagtgcgcg atcggaggtg aggcctcagt gttcacccat ctgttctgtc tgccctattc      900
cccaacctga gagtctttcc ccttttcttc atcttttttt tttttttgcc caaaaaaac      960
cccccgaaa aggggggaaa ttttgggggg gggggccaaa gggttgcttg taagggaccc     1020
ttggccttgg gaagggggag gggggccccc tttggaacgg ggggggaaa aaattaaatt     1080
taaaccctcc ctggggggcc cccccccttc cctttgtaag ggggtaaaag ggaggggtgc     1140
ttcccccgcg caatttccca aaaacctttg gaaaaaacct ggcaagctct cccctggaaa     1200
ataaaacatt ccagtaaaaa ttcttaaaaa acggttaatg ggttccgggt tatttttt     1258
```

<210> 7572

<211> 791

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(792)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (443)...(321)

<223> similar to gi4099277 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 7572
agcagcaagg agtacatttc ccaacacagg aaatgccggt ggctgttggc tctggcccca      60
gcctcttctc tgctcccggg ttttttcttg gattcctgga atccttgggg gtcagagact     120
cattcagaga gcaagactct ggtctctgcc ctgcttcagc acccaaactt ttagggagct     180
ggctggtggg ctgccaggca gtaggccta tggagagctg ctgtcagtct ctctaggagg     240
ccatggtttc ctgcatgtgg gggagagccc catccccag actctggagt gagtttaatt     300
```

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|-----|
| tcccaaggca | agtctgcctg | attgtcctct | cctttcctta | ccttcagcac | caagaagttt | 360 |
| ccggtcccgg | tacagatcag | tgaggaagag | gctattgaca | agtgtggatt | tgcccaggcc | 420 |
| aaactctcct | gagaggagag | aggacagagg | caccaaataca | gaagggaccc | ttctctgggc | 480 |
| tgtctgatag | tctgcagaga | cacagctgct | tccgtgctct | aggagagagg | gactccttgg | 540 |
| agatctgac | tcactagtag | tcgtaattct | ttggatgggc | tcagtttgta | ctgcttcac | 600 |
| ctttgggtaa | gacaaaatcc | tacggggaac | tctgactcct | tgggggttct | ggaccttgga | 660 |
| tgggtgggtca | tcttctaaga | tttgtgattg | taagttattc | ttctgggtct | gaaaactcaa | 720 |
| ctgatgagta | gatttggcat | ctgggattga | tgaagcatga | tggcccgacc | tcggcgncct | 780 |
| gactttgctc | t | | | | | 791 |

<210> 7573

<211> 1770

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (273)...(774)

<223> similar to gi4929717 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7573

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|------------|------|
| tcagatcgcc | cagagtggcg | cggtatcgcc | acttggagac | caccgcgaat | gaagtttgca | 60 |
| ttttcctctg | ttcttgagcc | cagcttcttc | tcgtctccca | ccccagcttc | ccggcattgg | 120 |
| aagaagggac | cgctctcttc | cttgtcttgg | ccacccaaat | cctgggtatcg | aaagggttga | 180 |
| acggaccgga | agtgtgcagc | agcgacgggt | ccccagctaa | tcgacgccgg | aagtagcaat | 240 |
| tactagacaa | gcattccgcc | gccggcttcg | ctatggcggc | aattccccca | gattcctggc | 300 |
| agccacccaa | cgtttacttg | gagaccagca | tgggaatcat | tgtgctggag | ctgtactgga | 360 |
| agcatgctcc | aaagacctgt | aagaactttg | ctgagttggc | tcgtcgaggt | tactacaatg | 420 |
| gcacaaaatt | ccacagaatt | atcaaagact | tcatgatcca | aggaggtgac | ccaacaggga | 480 |
| caggtcgagg | tgggtgcatct | atctatggca | aacaatttga | agatgaactt | catccagact | 540 |
| tgaattcac | gggggctgga | attctcgcaa | tggccaatgc | ggggccagat | accaatggca | 600 |
| gccagttctt | tgtgaccttc | gccccacccc | agtggcttga | cggcaaacac | accatttttg | 660 |
| gccgagtgtg | tcagggcata | ggaatggtga | atcgctggg | aatggtagaa | acaaactccc | 720 |
| aggaccgccc | tgtggacgac | gtgaagatca | ttaaggcata | cccttctggg | tagacttgct | 780 |
| accctcttga | gcagctcttc | tgagatggcc | ccagtgaacc | agcttctaga | tgacatagaa | 840 |
| tgacatgtaa | tgctaaaattc | attttggctt | tgcaagtcac | gaagcttagg | aggcctggca | 900 |
| tcttgggtga | gttagagatg | gaagtacatt | ttaataggat | gcttcttttc | tcttccccca | 960 |
| gtgcctagggt | tgccagagca | tttgacaaaa | tggccctggt | tatcaatagg | tgactactta | 1020 |
| ctacacatga | accataatgc | tgttcttctg | gcatgtctgc | tctgatatac | gtcgaacaat | 1080 |
| gtagcagcca | ctgtcatttc | tcagtgggtt | tgcctaacca | aacttcttcc | taaggagatt | 1140 |
| tatatctctg | cctacacagc | agtccttgat | ggctgacagc | cacagaattc | caaaccaagt | 1200 |
| agtgtctgtc | agccctctta | actctgtgca | cgccttattt | cagtctttta | catttgttct | 1260 |
| tctagggaat | gtatgcatct | ctatatatat | tttccctctc | aaaaccagaa | catcaacagt | 1320 |
| gctgtttctg | acacttcaga | catcccacgc | aaagccacat | tgaatttttg | ccaaatgaaa | 1380 |
| aacacatcca | acaatcaagg | tttctaagaa | ggtgtcaagt | ggggaataat | aataatgtat | 1440 |
| aataatcaag | aaattagttt | attaaaagga | agcagaagca | ttgaccattt | tttcccagag | 1500 |
| aagaggagaa | atctgtagtg | agcaaaggac | agaccatgaa | tcctccttga | gaagtagtac | 1560 |
| tctcagaaaag | gagaagcgcc | actcaagttc | ttttaaccca | agactttaga | gaaattaggt | 1620 |
| ccaagatttt | tatatgttca | gttgtttatg | tataaaaaata | actttctgga | ttttgtgggg | 1680 |

```

aggagcagga gaggaaggaa gttaatacct atgtaataca tagaaacttc cacaataaaa 1740
tgccattgat ggttgaaatt aaaaaaaaaa 1770

```

<210> 7574

<211> 2061

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (66)...(1254)

<223> similar to gi2558891 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7574

```

tttgatcgcc tgcgatcccc ccggaatacc gggcgaccca cgcgtccggt ctgaagccgg 60
taaacatggc cgtcaccgac agcctcagcc gggctgcgac tgtcttggca actgtgttgc 120
tcttgtcctt cggcagcgtg gccgctagtc atatcgagga tcaagcagaa caattcttta 180
gaagtggcca taaaaacaac tgggctgttc tgggtgtgtac atcccgattc tggtttaatt 240
atcgacatgt tgc aaatacc ctttctgttt atagaagtgt caagaggcta ggtattcctg 300
acagtcacat tgtcctaata cttgcagatg atatggcctg taatcctaga aatcccaaac 360
cagctacagt gttagtcac aagaatatgg aactaaatgt gtatggagat gatgtggaag 420
tggattatag aagttatgag gtaactgtgg agaatttttt acgggtatta actgggagga 480
tcccacctag tactcctcgg tcaaacgctc ttctttctga tgacagaagc aatattctaa 540
tttatatgac agggcatggg ggaaatgggt tcttaaaatt tcaagattct gaagaaatta 600
ccaacataga actcgcggat gcttttgaac aaatgtggca gaaaagacgc tacaatgagc 660
tactgtttat tattgatact tgccaaggag catccatgta tgaacgattt tattctccta 720
acataatggc tctagctagt agtcaagtgg gagaagattc actctcgcac caacctgac 780
ctgcaattgg agtccatctt atggatagat acacatttta tgtcttggaa tttttggaag 840
aaattaaccc agctagccaa actaatatga atgacctttt tcagggtatgt cccaaaagtc 900
tgtgtgtgtc tactcctgga catcgcaactg atctttttca gagggatcct aaaaatgtac 960
tgataactga tttcttttga agtgtacgga aagtggaaat tacaacagag actattaaat 1020
tgcaacagga ttcagaaatc atggaaagca gctataagga agaccagatg gatgagaaac 1080
taatggaacc tctgaaatat gctgaacaac ttctgttagc tcagataata caccagaaac 1140
cgaagctgaa agactggcat cctcctgggg gctttattct gggattatgg gcacttatta 1200
tcatggtttt cttcaaaact tatggaatta agcatatgaa gttcattttt tagagttgat 1260
gatgaatgaa gaatgcatgg aggactgcaa acttgataa taatttatgt cattatatat 1320
ttttaaaat gtgtttctct tgtatgaatt ggaaataagt ataaggaaac taaatttgaa 1380
tcaactatta attttataac ttaaagaaaa ataattgtta atgcaactgc ttaatggcac 1440
taaatatatt ccagttttgt attttgtgta ttataaaagc gaatgagaca gagatcagaa 1500
tacattgact gtttttgaaa atagtaattt ccccttatcc ctttttcatt tggaaaagaa 1560
acaattgtga agacattaaa ttctcactaa cagaagtaac tttggttaat tattttttgt 1620
atattctccc aatcttttga cttatgcaca tattttttcc caatatggag atcatatgga 1680
atgtactatt ttgtaatgtc ttttttcatt ttacaatgta ttatcaacct tttccctctc 1740
aaaaatacat tgtgaatgac tgcatagtat tcaactttatg aatattttaat tcatttcaca 1800
gtcttctatt gttggaccac ttacattgta ccaaagtgtt tcctttgggtt tattctttaa 1860
tgtattaata ttttactgct ggtcactcat ggaatcctgc agctttaatt aaaagcaaag 1920
atgaaaaaatt ggttttttaa tctatggcac tgacaatctc caggacctta tatgtttgtt 1980
gtcagtttat ttgggaaatt ttagaccttt gataatttca cgtactgact gctcaagaga 2040
aacatacccc attgtttttc a 2061

```

<210> 7575
 <211> 3446
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (456)...(1808)
 <223> similar to gi3881497 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7575

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|------------|------|
| agggcagttc | cggcccaggg | gcggggatta | tgttattttc | ccaaaagccc | cacctcgct | 60 |
| catccgggcg | ggagagaggg | aggtctcgcg | ctttccccgg | ggttgcgctc | cgccccgcag | 120 |
| gctgcgcgca | ggcgctgacg | agccgctcgc | attctacgta | acggacggcg | gaggctacgt | 180 |
| gaagagaggg | gcggcggtgac | tgagctacgg | ttctggctgc | gtcctagagg | catccggggc | 240 |
| agtaaaaccg | ctgcgatcgc | ggaggcggcg | gccaggccga | gaggcaggcc | gggcaggggt | 300 |
| gtcggacgca | gggcgctggg | ccgggtttcg | gcttcggcca | cagctttttt | tctcaagggt | 360 |
| caatgaaagc | cttcacact | ttctgtgttg | tccttctggt | gtttgggagt | gtctctgaag | 420 |
| ccaagtttga | tgattttgag | gatgaggagg | acatagtaga | gtatgatgat | aatgacttcg | 480 |
| ctgaatttga | ggatgtcatg | gaagactctg | ttactgaatc | tcctcaacgg | gtcataatca | 540 |
| ctgaagatga | tgaagatgag | accactgtgg | agttggaagg | gcaggatgaa | aaccaagaag | 600 |
| gagattttga | agatgcagat | accaggagg | gagatactga | gagtgaacca | tatgatgatg | 660 |
| aagaatttga | aggttatgaa | gacaaaccag | atacttcttc | tagcaaaaat | aaagacccaa | 720 |
| taacgattgt | tgatgttcct | gcacacctcc | agaacagctg | ggagagttaa | tatctagaaa | 780 |
| ttttgatggg | gactgggtctg | cttgcttata | tcatgaatta | catcattggg | aagaataaaa | 840 |
| acagtcgcct | tgcacaggcc | tggtttaaca | ctcataggga | gcttttggag | agcaacttta | 900 |
| ctttagtggg | ggatgatgga | actaacaag | aagccacaag | cacaggaaa | ttgaaccagg | 960 |
| agaatgagca | catctataac | ctgtggtggt | ctggctcgagt | gtgctgtgag | ggcatgctta | 1020 |
| tccagctgag | gttcctcaag | agacaagact | tactgaatgt | cctggcccgg | atgatgaggc | 1080 |
| cagtgaagtga | tcaagtgcaa | ataaaagtaa | ccatgaatga | tgaagacatg | gatacctacg | 1140 |
| tatttgctgt | tggcacacgg | aaagccttgg | tgcgactaca | gaaagagatg | caggatttga | 1200 |
| gtgagttttg | tagtgataaa | cctaagctctg | gagcaaagta | tggactgccg | gactcttttg | 1260 |
| ccatcctgtc | agagatggga | gaagtcacag | acggaatgat | ggatacaaa | atggttcact | 1320 |
| ttcttacaca | ctatgctgac | aagattgaat | ctgttcattt | ttcagaccag | ttctctgggt | 1380 |
| caaaaatttat | gcaagaggaa | ggtcagcctt | taaagctacc | tgacactaag | aggacactgt | 1440 |
| tgcttacatt | taatgtgcct | ggctcaggta | acacttacc | aaaggatatg | gaggcactgc | 1500 |
| tacctctgat | gaacatggtg | atttattcta | ttgataaagc | caaaaagtgc | cgactcaaca | 1560 |
| gagaaggcaa | acaaaaagca | gataagaacc | gtgcccgagt | agaagagaac | ttcttgaaac | 1620 |
| tgacacatgt | gcaaagacag | gaagcagcac | agtctcggcg | ggaggagaaa | aaaagagcag | 1680 |
| agaaggagcg | aatcatgaat | gaggaagatc | ctgagaaaca | gcgcaggctg | gaggaggctg | 1740 |
| cattgaggcg | tgagcaaaag | aagttggaaa | agaagcaaat | gaaaatgaaa | caaatcaaag | 1800 |
| tgaaagccat | gtaaagccat | cccagagatt | tgagttctga | tgccacctgt | aagctctgaa | 1860 |
| ttcacaggaa | acatgaaaaa | cgccagtcca | tttctcaacc | ttaaatttca | gacagtcttg | 1920 |
| ggcaactgag | aaatccttat | ttcatcatct | actctgtttg | gggtttgggg | ttttacagag | 1980 |
| attgaagata | cctggaaagg | gctctgtttc | aagaattttt | ttttccagat | aatcaaatta | 2040 |
| ttttgattat | tttataaaa | gaatgatcta | tgaaatctgt | gtaggtttta | aatattttta | 2100 |
| aaattataat | acaaatcatc | agtgttttta | gtacttcagt | gtttaaagaa | ataccatgaa | 2160 |
| atttataggt | agataaccag | attgttgctt | tttgtttaaa | ccaagcagtt | gaaatggcta | 2220 |

| | | | | | | |
|-------------|-------------|------------|------------|-------------|------------|------|
| taaagactga | ctctaaacca | agattctgca | aataatgatt | ggaattgcac | aataaacatt | 2280 |
| gcttgatggt | ttcttgatg | tctacattaa | acttgagaaa | aagtaaaaat | tagaacactg | 2340 |
| tatgtagtaa | tgaaatttca | gggaccacga | acataatgta | gtatatgttt | ttaggtggga | 2400 |
| gatgctgata | acaaaattaa | taggaagtct | gtaggcatta | ggatactgac | atgtacatgg | 2460 |
| aaaattctag | ggacaggagc | atcatttttt | ccttacctga | taccacgaac | cagtgacaac | 2520 |
| gtgaatgctg | tattttaagt | ggttgatgt | ttattttctt | gagtaacaaa | tgcatgaaaa | 2580 |
| attaatgctt | cacctaggta | agatcattgg | tctgtgtgaa | atcacaaatg | ttttttcctt | 2640 |
| cttggttgct | gcagcctgg | ggatgttcat | ggagaagctc | tgttctctat | attatggctg | 2700 |
| tgtgccgttg | cttctccctc | tgctttttat | ttttccacag | ttgaggctgg | gtatgttctt | 2760 |
| tcaaagaaat | ggccatgaat | atgtgtaagt | atacttttga | aaatgagctt | tcctaaacta | 2820 |
| ttgagagtgc | tttccacctc | ttgcggaacc | aactcttgga | ggagaggccc | atgtatctgc | 2880 |
| acgagcactt | agcttggtca | gatctctgca | ttttataaat | gcttcttacc | aagaaagcat | 2940 |
| ttttagggtca | ttgcttgtag | caggtaattt | ttgccgggga | tgggtaaggg | ttgggttttc | 3000 |
| tgggtgggagt | gggggtgggtg | gtattttttg | ttgatgcttt | agtgcaggcc | tgttctgagg | 3060 |
| caataacaag | ttgctgtgaa | aacagcatgt | gctgctgcct | ttgtaactgc | atggaaactt | 3120 |
| ttcacatggg | tttttctcca | agttaataca | gaaatatgta | aactgagaga | tgcaaagtga | 3180 |
| atatttttaa | cagttcatga | agttgttatt | aaaataacta | acataaaaact | taattacttt | 3240 |
| aatattatat | aattatagta | gtggccttgt | tttacaacc | tttaaattac | attttagaaa | 3300 |
| tcaaagttga | tagtcttagt | tatcttttga | gtaagaaaag | ctttcctaaa | gtcccatata | 3360 |
| tttgaccat | ggcagcta | tttgtaactt | aagcattcat | atgaactacc | tatggacatc | 3420 |
| tattaaagt | attgacaaaa | aaaaaa | | | | 3446 |

<210> 7576

<211> 2142

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (233)...(572)

<223> similar to gi5851944 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7576

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| agaggcctgc | gccacaccc | tctcctgtcc | agccttcgcc | cgcttgggca | gggcccggcg | 60 |
| ccgtccgtgg | atgagccaca | gaacctcttc | caccttcgca | gcggagagaa | gtttccattc | 120 |
| ctcttcttct | tctcctcct | cttccacctc | ctcctcggcc | tcccgtgccc | tccggccca | 180 |
| ggaccgcgcc | atggagaagg | ccctgagcat | gttttccgat | gactttggca | gcttcatgcg | 240 |
| gccccactcg | gagccctgg | ccttcccagc | cgccccgggt | ggggcaggca | acatcaagac | 300 |
| cctaggagac | gcctatgagt | ttgcggtgga | cgtgagagac | ttctcacctg | aagacatcat | 360 |
| tgaccacc | tccaacaacc | acatcgaggt | gcgggctgag | aagctggcgg | ctgacggcac | 420 |
| cgcatgaac | aacttcgctc | acaagtgcc | gctgccggag | gacgtggacc | cgacgtcggt | 480 |
| gacctcggt | ctgcgggagg | acggcagcct | cactatccgg | gcacggcgtc | acccgcatac | 540 |
| agaacacgtc | cagcagacct | tccggacgga | gatcaaaatc | tgagtgcctc | tcccttcctt | 600 |
| ttccctgtcc | ccccgcccca | cgcttgccag | caaagcctcg | ctaaccat | tacaacagct | 660 |
| ccaggacatc | tcagcccagg | ttctagcccc | cacgcacccc | agaccccagg | tggaccatcc | 720 |
| tcccaaacta | gggccctcca | ctctatccag | ggcaggccag | ggactccctg | gcctgacaca | 780 |
| tgatgcccag | atttcagatt | tggcctccgt | cacttaatcc | agagtacagg | ggctggggtc | 840 |
| agggaggaa | gatctaaaga | acccactgtg | ggtcagggga | atgggaccag | caggacatat | 900 |
| gggcaagctc | tgcaggacag | acaggcagac | aaaccctctg | atctatgaag | tctctgcagg | 960 |

| | | | | | | |
|-------------|------------|-------------|------------|-------------|------------|------|
| gcaaggggac | cagggacctg | gaaccctctt | ggccaagggg | agtgggagag | acagagggaa | 1020 |
| ggtcacaggc | aaggggtgct | atctaagtgg | aactaattgc | ccgagggctc | agcaaggcca | 1080 |
| agaggagaca | gccgtgacgg | taaacttccc | ctctaccagc | ctccaagccc | cacgccagcg | 1140 |
| agcaggctgc | ctgcccaccc | cgtgccccca | gccagctggc | tgtgccaggg | cagagccatg | 1200 |
| ccacatctgt | atatagatgg | ggttttttcca | atacagctgg | ttcgtgataa | actgcatgaa | 1260 |
| actcctgccg | tcctgcgctt | gctggggcct | ccaggcaagg | ccaagtgggg | ttgggggtgg | 1320 |
| ggctggtcct | tctccctccc | acaggcctgt | gttcttgggg | ctgctcccat | gcagacagga | 1380 |
| tcacctaaca | gagatggaag | ccagggcctg | gatggggcct | tgggtcctcg | aggttggacc | 1440 |
| ccagcttctt | gccaccttcc | cctccgggca | gtcagctctc | catccatccc | cctctttaat | 1500 |
| ctatgaatct | ataggctcgg | tgtgtgtaac | acacacaccc | ctatcgttgt | ccttcaaata | 1560 |
| ctcagcatta | ccattgggtg | aggccaaatt | cagagctttc | tcaaatacaga | tttacaatct | 1620 |
| ccatttttcat | taacggggaa | acatccccga | gccactgagt | gctgtgcttt | gtcactgaag | 1680 |
| gtagatctg | aacccagggt | gtcaacagct | gctctcaact | ccccacctct | gggcactgag | 1740 |
| gagtatttcc | cctcattcta | cctctctaag | gctatgcacc | cctccccacg | tcttcagct | 1800 |
| gggggatggg | gggagtcata | ggaaaagccc | ccatctccca | tctgggatag | ggaccttcca | 1860 |
| tcagccttaa | ccctgggaaa | tgctgctgc | ccccagtgac | tcttggtttc | gtctcccaca | 1920 |
| tacagaagca | gggtggaggg | gaagggtggg | tctcagttag | caggggtccc | cagggcaagt | 1980 |
| cagcctcctc | cctccatgcc | tctctggtca | gtgtgcctta | gggtggcctc | tcactcccac | 2040 |
| cactctgggc | cccttggggg | aggactgggg | agggggccgt | gggagagccc | tgacgtgga | 2100 |
| acctgtatac | acaataaag | acagtctcac | agaaaaaaaa | aa | | 2142 |

<210> 7577

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (44)...(646)

<223> similar to gi599691 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7577

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-----|
| caagatggcg | gtgctgtcag | ctcctggcct | gcgcggtctc | cggatccttg | gtctgcgctc | 60 |
| cagcgtgggc | ccggctgtgc | aggcacgagg | tgtccatcag | agcgtggcca | ccgatggccc | 120 |
| aagcagcacc | cagcctgccc | tgccaaaggc | cagagccgtg | gtcccaaacc | ccagcagccg | 180 |
| gggcgagtat | gtggtggcca | agctggatga | cctcgtcaac | tgggcccgcc | ggagttctct | 240 |
| gtggcccatg | accttcggcc | tggcctgctg | cgccgtggag | atgatgcaca | tggcagcacc | 300 |
| ccgctacgac | atggaccgct | ttggcgtggg | cttccgcgcc | agcccgcgcc | agtccgacgt | 360 |
| catgatcgtg | gccggcacac | tcaccaacaa | gatggcccca | gcgcttcgca | aggtctacga | 420 |
| ccagatgccg | gagccgcgct | acgtggtctc | catggggagc | tcgcgcaacg | gaggaggcta | 480 |
| ctaccactat | tcctactcgg | tggtaggggg | ctgcgaccgc | atcgtgcccg | tggacatcta | 540 |
| catcccaggc | tgcccaccta | cggccgaggc | cctgctctac | ggcatcctgc | agctgcagag | 600 |
| gaagatcaag | cgggagcgga | ggctgcagat | ctggtaccgc | aggtagcgcc | gccgcccgcg | 660 |
| ccgcccggagc | ctgtcgccgt | cctgtcccca | gcctgcttgt | gtcccgtgag | gttgtcaata | 720 |
| aacctgcctt | cgggctgccc | caaaaaaaaa | aa | | | 752 |

<210> 7578
 <211> 1241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (273)...(641)
 <223> similar to gi3877252 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7578

| | | | | | | |
|------------|------------|-------------|------------|-------------|-------------|------|
| tccttcgagc | tactcgcgtc | ggccccgcct | tttctctgct | ctcctgaacc | tttaggcttg | 60 |
| tctcggccca | tttgaagacc | aggaagttga | tcaatcccga | ggctgctgag | agacggtggc | 120 |
| gcgattggga | cagtcgccag | ggatggctga | gcgtgaagat | gcagcgggtg | tccgggctgc | 180 |
| tctcctggac | gctgagcaga | gtcctgtggc | tctccggcct | ctctgagccg | ggagctgccc | 240 |
| ggcagccccg | gatcatggaa | gagaaagcgc | tagaggttta | tgatttgatt | agaactatcc | 300 |
| gggaccaga | aaagcccaat | actttagaag | aactggaagt | ggtctcggaa | agttgtgtgg | 360 |
| aagttcagga | gataaatgaa | gaagaatatc | tggttattat | caggttcacg | ccaacagtac | 420 |
| ctcattgctc | tttggcgact | cttattgggc | tgtgcttaag | agtaaaactt | cagcgatggt | 480 |
| taccatttaa | acataagttg | gaaatctaca | tttctgaagg | aaccactca | acagaagaag | 540 |
| acatcaataa | gcagataaat | gacaaagagc | gagtggcagc | tgcaatggaa | aaccccaact | 600 |
| tacgggaaat | tgtggaacag | tgtgtccttg | aacctgactg | atagctgttt | taagagccac | 660 |
| tggcctgtaa | ttgtttgata | tatttgttta | aactctttgt | ataatgtcag | agactcatgt | 720 |
| ttaatacata | ggtgatttgt | acctcagagc | atTTTTTaaa | ggattctttc | caagcgagat | 780 |
| ttaattataa | ggtagtacct | aatttgttca | atgtataaca | ttctcaggat | ttgtaacact | 840 |
| taaagtatca | gacagaataa | tattttctag | ttattatgtg | taagatgagt | tgctatTTTT | 900 |
| ctgatgccca | ttctgataca | aatacttttc | atgtccaata | tctactgtgc | ccaaatgtac | 960 |
| tcaatttaaa | taattacttt | gtaaaataaa | taagcagatg | attcttgtaa | aaaaaaaaaca | 1020 |
| cagctgggca | tggtgggtca | tgccctgtaat | cccatcactt | tgaggaggctg | aggtgggtgg | 1080 |
| atcacaaagt | caggagttca | agaccagcct | ggccaatatg | gtgaaaccct | gtctctacta | 1140 |
| aaggtgtaaa | aattagctgg | gcgtgggtggc | gggtgcctac | agtcccagct | gcgcaggagg | 1200 |
| ctgaggcagg | agaatcgctt | gaacccggga | ggtggaggct | g | | 1241 |

<210> 7579
 <211> 1481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (134)...(985)
 <223> similar to gi3378447 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7579

| | | | | | | |
|-------------|-------------|-------------|------------|------------|------------|------|
| cgacccacgc | gttcgcgcga | tgctggcgac | gctggcgagg | gtggcagctc | tgcgcaaaac | 60 |
| ctgcctcttc | tccggccggg | gcggcgggag | ggggctgtgg | actggccgcc | cgcagtcaga | 120 |
| tatgaacaat | ataaagccat | tggaaggggt | aaaaattctg | gatctaacaa | gagtcctggc | 180 |
| gggacctttt | gctactatga | atttaggaga | tcttgagca | gaagttataa | aagtggagag | 240 |
| accaggagct | ggtgatgata | cacgaacttg | ggggccacct | tttgttgga | cagaaagtac | 300 |
| atattatctc | agtgttaacc | gaaataaaaa | aagtattgct | gttaatatca | aggatccaaa | 360 |
| aggggtgaaa | atcatcaaag | agcttgacgc | tgtttgtgat | gtgtttgtgg | aaaactatgt | 420 |
| ccctggcaaa | ctgtctgcaa | tgggcctggg | atatgaagat | atagacgaga | ttgctcctca | 480 |
| catcatctat | tgttccatca | cagggtatgg | tcagacaggt | ccaatttctc | agcgagctgg | 540 |
| ttatgatgct | gttgccctcg | ctgtttctgg | tctgatgcac | atcacagggc | ctgaggtggc | 600 |
| gtgtttgtct | cacatagctg | caaattatct | tattggtcaa | aaggaagcaa | aacgttgggg | 660 |
| tacagctcat | ggcagtatcg | ttccttacca | ggcttttaaa | accaaggatg | gctatatatt | 720 |
| agttggagca | ggaaataaacc | agcagtttgc | caccgtctgc | aagatcttgg | atttgcttga | 780 |
| gttgattgat | aattccaagt | ataaaaactaa | ccaccttcgg | gtacacaata | gaaaagagct | 840 |
| tattaaaata | ttatctgaac | ggtttgaaga | agaactgacc | agcaagtggg | tatatctttt | 900 |
| tgaaggcagt | ggagtcccgt | atggcccaat | caacaacatg | aagaatgtat | ttgcagaacc | 960 |
| tcagggtatta | cacaatggcc | tcgttatgga | gatggagcat | ccaactgtgg | ggaagatttc | 1020 |
| cgtcccaggc | ccagctgtga | gatacagtaa | gttcaagatg | tcagaggcca | ggccgcccc | 1080 |
| gctgctcggg | cagcacacaa | cgcacatcct | gaaggaggtc | ctgagatacg | atgacagggc | 1140 |
| catcggggag | ctgctcagcg | ctggagtggg | ggaccaacat | gaaactcact | gacaaaggaa | 1200 |
| aagggtctct | cctcataaacc | tcgatccgaa | tacactggca | aaggcaacac | tttgcttgga | 1260 |
| cccttctccc | cagttctgat | accactaaaa | agaagattta | gagtaactcc | agatttctta | 1320 |
| catggcatct | ccagaatggc | tctggtatta | atgaatctag | tgctttttaa | atgtatccca | 1380 |
| cgttttgttc | cctaccatct | tttttttcag | atgatgattt | cattatggat | ttgtgggatt | 1440 |
| tttaaaaata | aagttttaat | ttttttcctg | gaaaaaaaaa | a | | 1481 |

<210> 7580

<211> 2303

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(2304)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (107)...(865)

<223> similar to gi3881134 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7580

| | | | | | | |
|------------|-------------|------------|------------|-------------|-------------|-----|
| catcggaacc | gccccggaat | ccgggtcgac | ccacgcgtcc | gggctggctt | ctgcgtgggtg | 60 |
| cagctgcgca | cgtgttttcag | ccggcagcgc | tttaagattt | ccgggggatgg | aatccgaaat | 120 |
| ggaaacgcag | agcgcggggg | cagaggaggg | ctttaccag | gtcaccgcga | aggggtggccg | 180 |
| acgggccaag | aaacgacagg | ctgaacagct | gtccgcagca | ggagagggcg | gggatgcggg | 240 |
| ccgcatggac | acagaggagg | ccaggccggc | gaagaggccc | gtcttccac | ccctctgtgg | 300 |
| ggacgggctc | ctgagtggga | aagaagaaac | aaggaaaatt | ccagtcccag | ctaacagata | 360 |
| cacaccattg | aaagaaaact | ggatgaagat | atttactcct | attgtggaac | atttgggact | 420 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| tcagatacgc | tttaacttga | aatcaaggaa | tgtagaaatc | aggacttgta | aagaaaccaa | 480 |
| ggatgtagt | gctctgacaa | aagcagctga | ttttgtgaaa | gcttttatctc | tcggccttca | 540 |
| ggtggaggat | gcacttgccc | tcatcagggt | ggatgacctc | ttcctagagt | cttttgaaat | 600 |
| tacagatgtt | aaacccctaa | agggagacca | tctatccagg | gcaataggaa | gaatcgctgg | 660 |
| caaaggagga | aaaaccaa | tcacataga | gaatgtgaca | cggacaagga | tagttttggc | 720 |
| tgatgtgaaa | gttcacatcc | ttggctcctt | ccaaaatatac | aagatggcaa | gaactgccat | 780 |
| ttgcaacctt | atcttgggaa | atcctccttc | caagggttat | ggcaatatctc | gagctgtggc | 840 |
| tagcagatca | gcagatcgat | tctgatttca | agtcagagac | tttttatctt | gcctttggac | 900 |
| tctggtgaaa | aatactttac | agtggtcggt | cacaagaaac | catctgaaca | atttcagtca | 960 |
| tttgaagcct | ccgtcccttc | ttccattctc | agccagaagc | ataaacagaa | aagaaagatt | 1020 |
| taagaggatt | cacactcaac | aggttttagg | ataatttaaa | tatcaaaaat | tgattgttat | 1080 |
| acttacacat | taggtataat | ttatcattta | tctgaaatca | catgtagcag | attgcatagt | 1140 |
| ctgtaatcct | ctcagaggga | aacttcttgt | ttaaacagct | ctatatggat | ttatactttt | 1200 |
| atatttataa | atttataact | tcatacaaat | ttataaacat | ttctttataa | attgtaat | 1260 |
| aatagattat | ctcagaaaaa | cctctctgaa | tgatgacctc | tccttaatac | tgggtgatgt | 1320 |
| gtgaatat | gtttgttggc | agacagggtc | tcactttgtc | accaggcta | gagtgcagt | 1380 |
| gtgcaatctc | agctcactgc | agcctctgcc | tcctgagttc | aagtgatcct | cctgcttcag | 1440 |
| cctccctagt | agctgggact | acaggatatgc | accaccatgc | ctggctaatt | ttttgtat | 1500 |
| tttgtagaga | tgggggttcg | ccatgttgac | caggctgggc | ttgaactcct | ggccctcaag | 1560 |
| ggatccgtcc | gcctcagcct | cccaaagtgc | tgggattaca | ggcataagcc | actgcgcctg | 1620 |
| gccttgatgt | gtgaatat | gagaggatcat | aagcagtggt | tttggccaat | ncccgatta | 1680 |
| tacccatata | catcagtaag | agctcatctt | ggaacctgtt | ttgcagtttc | ttgcagtttc | 1740 |
| aaaaattaaa | gacctacatc | acagggttaa | tgtgaagaaa | gctttat | tcaaatgagt | 1800 |
| atttaatgaa | agtatacata | accaatgttg | ggtatacaga | tgttctcaa | cttatgatgg | 1860 |
| gttttaggtcc | agataagccc | actgtgagtt | gaaaatacca | aaagtcaaac | atcatagctt | 1920 |
| agcctacctt | aaaagggtc | cgaacactac | attagcctac | agttgggcaa | aatcgtctaa | 1980 |
| tacaaagcct | attttataat | aaagtatgtt | gaataatctca | tgtaattttt | gaagattaca | 2040 |
| ttgaaagtga | aaaacagaat | ggttgggtac | ttgaaataca | gcttctactg | aatgaataat | 2100 |
| tctaaagtgt | aaaaataata | gtaagaccca | tcataagtct | gtttcttcta | gtaaagggtga | 2160 |
| aatgatgaaa | gaatgctttt | ttcccaccca | aaaaactatg | ctctataaat | gcagattagc | 2220 |
| tagtttctgc | ctgttttaaat | ggtattat | tatacattac | aaaatggaag | gaacttactt | 2280 |
| tattaaactt | aactttgata | aaa | | | | 2303 |

<210> 7581

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (429)...(600)

<223> similar to gi4895081 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7581

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttcgtcaca | aatataaaaa | ttgtagatga | atttacttat | tatactgaca | caattatcct | 60 |
| aaataaaa | ttccaaacag | attctagcac | agattaaaaa | acacccatta | agatcaaggg | 120 |
| gtttttttt | ttttttttt | ctagaaaacc | ctttggaagt | tcatgatatt | ttgaatttca | 180 |
| atggatattt | cctgggaata | atgagttcaa | atgaacgaat | atgtggaaca | aagcatcacc | 240 |
| cacatttatt | ttttcaggat | gaggggatgg | acaaaacat | cacagggaaa | ttgaggcaaa | 300 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-----|
| tagtacatgt | aaaacaatac | ttcgggtgag | tccacctatc | ccaaagtcgt | atcaaagaag | 360 |
| tggctgcaga | ttggagccca | aagcctttgg | ttcctcagtt | tccaaatgga | ttctcactag | 420 |
| gtgggcatcat | gagtttgctt | tggacacccc | aaattctaac | tatttctttt | gtttcttaca | 480 |
| tcctttccct | cttccccagc | cccttccct | catgttacac | ctcttgctgg | tttgagacgt | 540 |
| caatcaccac | tgagaaagaa | ttaaaccagt | attttgagct | ggcaaaattc | ttagcctagt | 600 |
| acaattcctt | caattaaact | gtagctcaac | aatgtgttct | ctaaaagtat | gatttaatat | 660 |
| tctacctaga | aactcagaat | atttttcata | actcctccag | ggcagtgtgg | attatgttga | 720 |
| tgtgttagga | gaaagtagaa | g | | | | 741 |

<210> 7582
 <211> 2459
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2460)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (11)...(919)
 <223> similar to gi1039318 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|-------------|-------------|------------|------------|-------------|------------|------|
| <400> 7582 | | | | | | |
| tgggacagcc | atgggtttcag | acgaagatga | attgaatctt | ctgggttattg | tagttgatgc | 60 |
| caacccaatt | tgggtggggaa | agcaagcatt | aaaggaatct | cagttcactt | tatccaaatg | 120 |
| catagatgcc | gtgatggtgc | tgggaaattc | gcattttatc | atgaatcggt | ccaacaaact | 180 |
| tgctgtgata | gcaagtcaca | ttcaagaaag | ccgattctta | tatcctggaa | agaatggcag | 240 |
| acttgagac | ttcttcggag | accctggcaa | ccctcctgaa | tttaatccct | ctgggagtaa | 300 |
| agatggaaaa | tacgaacttt | taacctcagc | aatgaagtt | attggtgaag | agattaaaga | 360 |
| tctaatagac | aaaagtgaca | taaaggtca | acatacagaa | actttgctgg | caggatccct | 420 |
| ggccaaagcc | ctttgctaca | ttcatagaat | gaacaaggaa | gttaaagaca | atcaggaaat | 480 |
| gaaatcaagg | atattggtga | ttaaggctgc | agaagacagt | gcgttgacgt | atatgaactt | 540 |
| catgaatgtc | atctttgcag | cacagaaaca | gaatattttg | attgatgcct | gtgttttaga | 600 |
| ctccgactca | gggctcctcc | aacaggcttg | tgacatcacg | ggaggactgt | acctgaaggt | 660 |
| gcctcagatg | ccttctcttc | tgcagtattt | gctgtgggtg | tttcttcccg | atcaagatca | 720 |
| gagatctcag | ttaatcctcc | cacccccagt | tcattgtgac | tacagggtctg | cttgcttctg | 780 |
| tcattcgaaat | ctcattgaaa | ttggttatgt | ctgttctgtg | tgtttgtcaa | tattctgcaa | 840 |
| tttcagcccc | atttgtacta | cgtgcgagac | agcctttaa | atttctctgc | ctccagtgtc | 900 |
| gaaagccaag | aaaaagaaac | tgaaagtgtc | tgcttgagga | taaaatattt | tccccatctt | 960 |
| ttagagctgt | taatagaaat | tatatagcag | attctttgtt | gggaagactg | aaaaaaataa | 1020 |
| agataggtat | aggataattt | ttaatatggt | gaccttacag | aaaatatttc | ccaaacatcc | 1080 |
| ttttcatcct | gtgcttctgg | aggactgatt | tgtttgaggg | aatcattcta | tgcattatat | 1140 |
| cctaaaatat | tctatgactg | gtttctgtcc | atgtttgtgg | ctttcatttt | tttaatggga | 1200 |
| tgactattag | tcaaagtcag | cttgtcatga | ctcatcatag | gctttctaac | ctactccttg | 1260 |
| aatccgggtc | ctcattgtga | aatgcatgcc | atacgaaatt | tgaacgtagc | tttggaaaaa | 1320 |
| gggactatth | gtggagtaat | ggcattaatc | aacatagaac | atcttatttg | aatcaacagt | 1380 |
| taacttcagt | agtcattgtga | ataaaattct | tattgtctaa | attgagacag | cctcagatat | 1440 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| ttgcagatat | ttactttttt | tctgatata | gtacatat | ggacaaagt | atctaaataa | 1500 |
| tagtttgtca | ccaaataact | acaaaatctc | attttaa | agtaaggaga | acgtgtacag | 1560 |
| aagcaaattt | tcttcaaaat | agttgtggga | agagcttata | tgtgaaagct | tatgactggt | 1620 |
| tttgaggagg | aacttactgg | agaaaatgga | ctctatgtta | agtatgggtt | tcagatagaa | 1680 |
| ttctttcctt | ttttaatgag | gaaaaaaaat | ccacattaat | attgaaactg | cacctgtaat | 1740 |
| cccagcactt | tgggaggctg | aggacagagg | attgcttgag | cccaggagtt | cgagagcagc | 1800 |
| ctgggcagca | aagttagacc | ccatctctac | taaaaattta | aatgtattta | ttaaaactgt | 1860 |
| tctctagaag | ctttggactg | aatcccaaaa | gtgtttataa | gttcaaaagc | aaaagtattt | 1920 |
| gtaatttcaa | caacaaaaaa | tgtatttctt | tatgtaatct | tgaaattatt | aaaagtcctt | 1980 |
| ttagcttcta | gcacatat | gtaçaaagag | tttaaggaat | ggtggctggt | ttggtttggt | 2040 |
| ttttaaaaa | gtttactgac | gaggccgggc | gtggtggctc | acccctgcaa | tcccagcact | 2100 |
| ttgggaggcc | gaggcaggca | gatcacaagg | tcaggagttc | aagatcagcc | tggccagtat | 2160 |
| ggtgaaaccc | tgtctctact | aaaaatagaa | aaattagcca | tgcgaagtag | caggtgcctg | 2220 |
| tagttccagc | tactcgggag | gctgaggcag | gagaattgct | tgaatccagg | aggcagaggt | 2280 |
| tgcagtgagc | caagatagcg | cctctgtact | ccagcctgcg | tgacagagcg | agactctgta | 2340 |
| tcanaaaaa | aaaaggaagg | gcccccgtag | tttagccctg | gatcaccaac | attttgggag | 2400 |
| gcccattggg | tggggaccca | ggggcggggg | gggctaggcc | gggcttgcg | ttatgaatg | 2459 |

<210> 7583

<211> 4540

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (4188)...(2606)

<223> similar to gi598958 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7583

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| tttttttttt | ttatattgct | gaacaccaat | atgtcacttt | attatttgga | ttttttttcc | 60 |
| catttgtcac | atacctgtca | atgtttacac | aatgagggaa | atcaaccagc | attggaagca | 120 |
| actgacaaa | tcagttgata | attctgtacc | ctcttaacac | acatcaattt | tcacttggtg | 180 |
| gggattatct | ttaattcggt | ctcacagcta | ttcttaaaat | tgggtgtcaag | attgtcacat | 240 |
| ctttaaatac | agatagaatt | gccagaagta | cataattata | tatatatata | cacacatata | 300 |
| gaaaaatata | agactgtttt | tccacaatat | ttaatttata | cactactgta | actatatgca | 360 |
| acttttgaag | acaggttaag | gggtacaagt | aactgttttag | agcaagtaag | tagtttggtc | 420 |
| caatattatc | ttaatgtaat | ggtttttcgc | tccctccctt | ttatgtgacg | acatactatg | 480 |
| acatacaaaa | catgcacaat | cattcactta | taaacaaagg | agtaagacac | cactcagact | 540 |
| gacatttgta | tacccaagg | gtcaaccaca | caactaataa | ggctataata | cagctatgca | 600 |
| gcataaatgg | tcaacactgc | tgatcctaaa | gtgagcccca | tatatacatc | tgaatataaa | 660 |
| aaaccattga | aaccaaacac | atatgggtta | gttaaaaggt | gccattccaa | ggctatacat | 720 |
| aatcacagga | aaaagtattt | acactgcttg | gaaaacagct | gcaacaaaga | gtttattgcc | 780 |
| aatgcccttt | ataaacttct | ctcctatggt | taatacagat | gttacgctca | ctatctatgt | 840 |
| gaaccacaca | tcttatttct | ggccctttat | aagatccctg | ctcaagaatt | tcaagcaaat | 900 |
| atgttctatg | gcttcaccca | cacatctatt | ctcatagctt | tcaaattata | aatatcacaa | 960 |
| tgaactagag | ctgtagctta | aaacatctag | cctagggtcta | gaaagtaaaa | taagtatttt | 1020 |
| aagtatcatt | ttacttagt | ttagtaagta | tactgtgaaa | ttcagagttc | tgagtaaaat | 1080 |
| atatttatcc | taaagtagca | gagtcagtg | gtacttgaag | aaacagtgac | cacagcaatg | 1140 |
| cagttctttg | gtgatgtgcc | cactctctga | attacaggac | cagatgcgtc | tcagtccgtc | 1200 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| acctcagaca | catgactcgg | ggctgaagag | tggggaaggg | ccctgggtcc | cagccacatg | 1260 |
| ctatcaccaa | tgttgctaag | cactgctttt | aagactccca | gggcactgca | tgaaaaaaca | 1320 |
| gcaactggcc | ccttcataaa | tcagcaattt | gcaatataca | gtgtcctaca | agatagaatg | 1380 |
| ccacaacaga | tgattatctg | gtcaaaaaca | gtcctttgtac | aggaataggt | taaagcaaga | 1440 |
| gttctttgat | tattgttttg | gcagaaaaag | gcaaagtgaa | aaacaattcc | agaaaaaaa | 1500 |
| gttacgaagc | aggctttgtg | cattttttgt | tgctgtatgt | gtgaatttta | cccttttatg | 1560 |
| tatatTTTT | catcagccaa | tttcaaagct | agctgagccc | aaaggatatt | aactgaatga | 1620 |
| aaataacaaa | agagataatc | taattaccaa | actcctaaaa | accaaattcc | agtaggtttt | 1680 |
| aattcatggg | gttttgactt | tgccaacatt | tgctgtgcac | cttctgtact | aggccctata | 1740 |
| gttctttctat | ctacatggaa | atcctgcagt | gtgccctaca | ggaaggaatt | tacacagagc | 1800 |
| atctttttgt | tctgttagac | agacatacac | tctctaagta | gagttaagac | atcatcactt | 1860 |
| catcacatta | caaaataaga | ttgtctgctt | gtaattttatc | actacagggg | aagctgcctt | 1920 |
| ataaatctaa | gtacttttct | tcacctatta | caaaaacaag | gaaatctttt | tcagttaa | 1980 |
| tttcagagcc | caaactttgt | ttttacacta | tagcttaaga | caaacaggtg | tgggtatgtt | 2040 |
| caactgtggt | ttaaggttct | cagtgcagac | actcactgtc | ctctgctctg | cacgggccat | 2100 |
| ggacagctgg | gcggcacaag | gtcgttagct | ggctccaggc | ctgtgggcat | cacaacgtta | 2160 |
| ttgctttggg | tctgtctcag | acaccagaga | gtgtgtctca | gagcctaggg | tttccacatc | 2220 |
| acagaagggtc | aggacaggaa | ttcagatttt | tcacaaagaa | aaagcatttt | ttctctctct | 2280 |
| aggttaagt | cagaacaaca | aattttctaag | tgctccattt | ataagaggtt | ccagatatat | 2340 |
| atcttgattt | aatcctgatc | atccacatta | aaattatgaa | tgtaaaaatt | acataatagg | 2400 |
| cttttcgggt | gggaaagaaa | agtgtctagc | agcatgcaca | aagaccatgc | attgtcacat | 2460 |
| catcaggcga | acaaatggaa | aggtaataaa | taattgctcc | taacgcccac | tttaaaatag | 2520 |
| taaaacccaa | tgggaacagt | aagtgaagcc | gtcttccactg | ctctgagcag | gaagcgtgct | 2580 |
| agcggccaga | tggggccaca | gtcagatgac | atggcaacag | ctggctgggc | tggatgcgca | 2640 |
| cagcagcccc | tccttagggg | tcgctggat | gttcacagag | atggctcttt | cgcacagagg | 2700 |
| tagctgcagc | acgttatttt | tcaggttctt | gctctttatc | cgttccaatt | cagtgggtgt | 2760 |
| atctgccatg | tggtcagaga | aaaactttat | gccgccact | gcagggacct | gccctgcatt | 2820 |
| ccctgtggag | ctaatagcaca | ttttccacgt | agattttctt | tggactttca | cactggaaaa | 2880 |
| tgacaagcca | ttctgtggat | caataatgta | cttgggtgctc | ccatgaagct | gggagccgag | 2940 |
| gcagaggctc | atgagtttga | ggctctcaac | gagctcccca | gcactgcgag | aggccagctg | 3000 |
| catggagttg | ctggggccgg | cacagcggcg | tgtggtaacc | gatgtattgg | tgggggttgc | 3060 |
| acccgagccg | ctggagggac | tgccccacc | agcattgttc | tcactggggc | tggccttgct | 3120 |
| cacccctcca | ctggcattgc | ttggcttgct | ctggccccc | ccatccccct | cactgccagg | 3180 |
| gggcccctcg | ctgctatccc | gtcggtgcca | ggagtaggtg | aaccgcctat | ctttatcgag | 3240 |
| ccgcgcgcgg | ctttcagaat | catcatcact | ggctccgaa | ctactgcagc | tggagccccg | 3300 |
| gccctgactt | ttcctccggg | ggtagcggtt | gtgaactgta | cctggagaag | ctatatcat | 3360 |
| ctttaacctg | ctcaacttg | gaggcagatt | ctcatccatg | tcaaactcat | catcagattc | 3420 |
| cccttcctca | aagatctggg | tgaggacggg | cgcactcttc | ctggatgtca | ggcgggttgt | 3480 |
| tacagatggc | ttccggcgca | aaaccacttg | tgttgagagg | gacatgggtt | tcttgtcctc | 3540 |
| ctcatcttcc | tcttcatctt | cttccacctt | gaacagacac | ttccgcccac | tggctgtggg | 3600 |
| ttttaagctt | gcgggtggca | ccgtagagag | tgtgtgtcca | gccaaactcag | ggaggtcatc | 3660 |
| tttcttagct | gagtcacaca | ggcctttgct | cctgtggcca | ttgaggacac | tgtcagcagc | 3720 |
| ccgagcagga | gactagggga | cagtcgcgtg | ggacaaagga | gtggccgtga | ggtcatcctc | 3780 |
| aaggctcctg | ggtacatcaa | ttttggttgg | ccatgactgc | ctaaactggg | ccttgatatt | 3840 |
| gctcgggctt | gcagatctgg | tctgtatttc | tttctcttgc | tttctcttca | ggatcctttc | 3900 |
| agccagcagg | aagtatgtgg | ctgtgatatg | gttatacctg | ttgggtttcca | gggcttctac | 3960 |
| aatggcgctc | cgatccgcta | tgtccccaag | caccatgcgc | tgaatgatgc | tgttgtgctc | 4020 |
| ctcttccgag | agatttttgt | atgacacaag | gggaatgtta | tactttgtag | ctgggtgaagg | 4080 |
| gtccactccc | tgaagccaag | gatgattttc | aatctcttct | aaagaagccc | ttctcttggg | 4140 |
| atctctctgt | agcatccgtg | tgattaggtc | tttacactct | ttagacacat | gggatgggtac | 4200 |
| tgtatatttg | caatccatga | tcattgtcag | tgtttcactg | tcattggctt | cttgaaaggg | 4260 |
| cggctgcccc | cacaccaaca | tgaaaaggat | cactcccaga | ctccaaatat | ctactgcagg | 4320 |
| tgcatcatac | tcatcaccaa | gcagaatttc | tggagcggaa | tatgcaagag | atccacagct | 4380 |
| tgtagtgagc | ttcttccctg | gttgaaattt | gttgctgaac | ccaaagtctg | tcaactttac | 4440 |
| aagaccttgt | ttttcaaaga | agactacatt | ctctggtttt | aagtctctgt | gacccacatg | 4500 |
| gagtttatgg | caataagata | tagcatgaac | tatctgagcc | | | 4540 |

<210> 7584
 <211> 2332
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2001)...(305)
 <223> similar to gi5853113 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7584

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| ttttttttgt | gatgcagcat | caggtgcttt | taaatcagat | taattcacia | taagtgatat | 60 |
| tgcaaagggt | ctgggggctg | tacatgggca | ggggcttggg | gagctttgta | catggggctg | 120 |
| ggaaacaagg | gacctccag | gtggaagggt | attttttaat | aaaaaaaata | atggagctac | 180 |
| aaccaccccc | tccccctcc | ccgattaaaa | agacacaaaa | atagacgtct | ctgaggtaaa | 240 |
| cggggagcct | ggggcttaag | ggtgtttaaa | gggcttcaca | ggtgccagag | cttagaggtg | 300 |
| tcacaggcac | cggggtggct | cctgcatcag | ttggtagaac | agcacgtagc | cctcgctgga | 360 |
| tgccacctgg | ttttcactga | caggggagac | acgagagtca | ttgtagacat | gccaaccagt | 420 |
| ctggcaccgg | cacagggctg | tgtagtggcc | atagtggacg | ctgcctgagt | ggttgcaaag | 480 |
| ggcatacagc | tggtatacag | gacttccggc | tttgtcactg | gcaaagtccc | ctaggctcag | 540 |
| tcgctgcagt | ggaaagtcta | cacctactga | actttttttg | atggagcctc | gggaggcaga | 600 |
| aaatcgattc | agatggagca | cgaggattcg | aggaatctt | tgtactgtca | actttttggt | 660 |
| acttcgagtt | ttctgccgac | atcggtcaca | cactggggca | ttctccgact | ctagctcttc | 720 |
| ttccttagtg | aaaaggttga | aacaatcccc | cagagacacc | ttgccccag | caaatccttt | 780 |
| cttggggatg | ggcagggaca | ggtcacaaaa | aacctcgaag | gtcgtggagc | gatacccaca | 840 |
| ggcctggcac | ttgagacaac | ttttcaactg | gcccacaaac | aggtccacaa | tcttgcctgc | 900 |
| ctctcgctcc | aggtaacgtt | tccacattag | gttggctcgg | tcatcatcac | ttaactcagg | 960 |
| ttcttctagc | agagccccct | ctcggcgggg | tggagaggga | actggaccat | tggcaagtat | 1020 |
| cgggtggagcc | cggcggcctc | ggcggttgat | ttcaagggtg | agccgctcca | tgaggagctt | 1080 |
| caggaactct | tgggcatcct | gctggctgta | tccagagaag | gagggaaacat | atctctggaa | 1140 |
| gacagctcgg | aatcgagtag | gattcacagc | ttcgcaggag | tcagggtgcc | agagggcacc | 1200 |
| aatcacatct | gcaaaggctt | cagtgaagtc | ttgggctcgg | cctcctccag | gcacctcttg | 1260 |
| ccggaagtcc | cttctcagac | agaagtcccc | aagaggtcga | gtgctgctca | gacactgcag | 1320 |
| cacagcattc | aggaagcacg | tgtttcccag | gtttcgaagg | ccaacatgac | cagagcccag | 1380 |
| aaggagtgtg | tgatgagcca | tcttgtcatc | agagtagaaa | ggctcagagg | accgggcgga | 1440 |
| tatcatgtgg | aaggagccat | gggaagcagg | gggctctgtc | cgtatgctga | acagggtagg | 1500 |
| gggtccagga | aagcccccta | ggcggcggag | agaagtgcta | cgtctcaaag | tgggtggctc | 1560 |
| aggccggagg | gccaagcggc | tcagtgcagc | cccaagctct | ccggtgccac | ggtgccctcc | 1620 |
| caaggcaatc | cccattggac | gcaagtcccc | actgttcaca | gacttggaac | gggctaagtt | 1680 |
| ggtccgagat | gggagaggca | aagccactgt | tgggggtggt | gagccaggca | ggggaacccc | 1740 |
| atgatctgct | cgaagggggc | ctctgggacg | agggcctgag | gtccgtcccc | gtcccagctc | 1800 |
| cagtttcttg | agccgttcat | caggcagacc | tggccgggga | ggcagaggtc | gtaacatggg | 1860 |
| gtttggccca | gaggctgggt | ttctgcgctc | cttgcctcgg | gccctggggg | caaatggtag | 1920 |
| cttggatccc | actcggggct | ggatattaac | aggtggctct | cgggtacggc | ccaggcgggtg | 1980 |
| ctcagaggcc | tggggcattg | tggacaccac | aggtggacc | cacaatcttg | ctgtcctctc | 2040 |
| atttccacat | taggtgggtg | gctcagtcac | caccactacc | acatcaacga | aagtggggag | 2100 |
| cagtatacgc | actgagggca | ggaaccagat | ctatcgaatc | agccatcgta | tccccagtac | 2160 |
| ctgtccccc | gtgaggcggc | gggagaggcc | agccaggggc | aggccccagt | tcaggggccac | 2220 |
| cccctactac | ccccgtgcag | cccccccggt | ggcccggtg | cagcttttagc | cgcagccggt | 2280 |

gcccagatcg ctccagccgc aggggcccgc gccatctttg cggacgcgtg gg

2332

<210> 7585

<211> 895

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (306)...(586)

<223> similar to gi32036 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7585

| | | | | | | |
|------------|-------------|------------|-------------|-------------|------------|-----|
| ctgcctttgg | ctgtaccact | tcccttttct | tctcgccctgc | acctccctca | tctttcctct | 60 |
| atgatgacat | cgccctgggg | aagagaagct | gagaggaact | cctcactcag | ctagcttcag | 120 |
| gagcatgacg | tcctctctac | catggaaatt | ccactcactc | tcctgtgccc | ccacatttgt | 180 |
| cctaggcctc | agagtcctta | taaagagaga | ttcccaagtc | agtatcagca | caggacacag | 240 |
| ctgggttctg | aagcttctga | gttctgcagc | ctcacctctg | agaaaacctc | ttttccacca | 300 |
| ataccatgaa | gctctgcgtg | actgtcctgt | ctctcctcat | gctagtagct | gccttctgct | 360 |
| ctccagcgtc | ctcagcacca | atgggctcag | acctcccac | cgccctgctgc | ttttcttaca | 420 |
| ccgcgaggaa | gcttcctcgc | aactttgtgg | tagattacta | tgagaccagc | agcctctgct | 480 |
| cccagccagc | tgtggtattc | caaaccaaaa | gaagcaagca | agtctgtgct | gatcccagtg | 540 |
| agacctgggt | ccaggagtac | gtgtatgacc | tggaaactgaa | ctgagctgct | cagagacagg | 600 |
| aagtcttcag | ggaaggtcac | ctgagcccg | atgcttctcc | atgagacaca | tctcctccat | 660 |
| actcaggact | cctctccgca | gttctgtctc | cttctcttaa | tttaatcttt | tttatgtgcc | 720 |
| gtgttattgt | attaggtgtc | atttccatta | tttatattag | tttagccaaa | ggataagtgt | 780 |
| cccctatggg | gatgggtccac | tgtcactgtt | tctctgctgt | tgcaaataca | tggataacac | 840 |
| atttgattct | gtgtgttttc | ataataaaac | tttaaataaa | aatgcaaaaa | aaaaa | 895 |

<210> 7586

<211> 1591

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (199)...(1472)

<223> similar to gi4098124 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7586

tttcgtgtgg ggaaggggtcc cgggaacgtg gtggggcatg gcctccgagc gtggttggac 60

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|-------------|------|
| tttgaagggg | agcggccgcc | atgctgcac | cccttttttg | aattgctcaa | ccagggtgga | 120 |
| accggcgccg | cttcctggcc | ttgggagggg | gttcctttct | taaccacaa | gaacctctcc | 180 |
| caagagaact | tggtcctgat | gtctgacat | ggagatgtga | gcctcccgcc | cgaagaccgg | 240 |
| gtgagggctc | tctcccagct | gggtagtgcg | gtagagggtga | atgaagacat | tccaccccgt | 300 |
| cggctacttc | gctctggagt | tgagattatc | cgaatggcat | ccattttactc | tgaggaaggc | 360 |
| aacattgaac | atgccttcat | cctctataac | aagtatatca | cgctctttat | tgagaaacta | 420 |
| ccaaaacatc | gagattacaa | atctgctgtc | attcctgaaa | agaaagacac | agtaaagaaa | 480 |
| ttaaaggaga | ttgcatttcc | caaagcagaa | gagctgaagg | cagagctggt | aaaacgatat | 540 |
| accaaagaat | atacagaata | taatgaagaa | aagaagaagg | aagcagagga | attggccccg | 600 |
| aacatggcca | tccagcaaga | gctggaaaag | gaaaaacaga | gggtagcaca | acagaagcag | 660 |
| cagcaattgg | aacaggaaca | gttccatgcc | ttcgaggaga | tgatccggaa | ccaggagcta | 720 |
| gaaaaagagc | gactgaaaat | tgtacaggag | tttgggaagg | tagaccctgg | cctagggtggc | 780 |
| ccgctagtgc | ctgacttgga | gaagccctcc | ttagatgtgt | tccccacctt | aacagtctca | 840 |
| tccatacagc | cttcagactg | tcacacaact | gtaaggccag | ctaagccacc | tgtggtggac | 900 |
| aggctccttga | aacctggagc | actgagcaac | tcagaaagta | ttcccacaat | cgatggattg | 960 |
| cgccatgtgg | tggtgctggg | gcggctgtgc | ccacagtttc | tccagtttagc | cagtgccaac | 1020 |
| actgcccggg | gagtggagac | atgtggaatt | ctctgtggaa | aactgatgag | gaatgaattt | 1080 |
| accattaccc | atgttctcat | ccccaaagcaa | agtgtctgggt | ctgattactg | caacacagag | 1140 |
| aacgaagaag | aacttttcc | catacaggat | cagcagggcc | tcatacacact | gggctggatt | 1200 |
| catactcacc | ccacacagac | cgcgtttctc | tccagtgtcg | acctacacac | tcactgctct | 1260 |
| taccagatga | tgttgccaga | gtcagtagcc | attgtttgct | cccccaagtt | ccaggaaact | 1320 |
| ggattcttta | aactaactga | ccatggacta | gaggagattt | cttcctgtcg | ccagaaagga | 1380 |
| tttcatccac | acagcaagga | tccacctctg | ttctgtagct | gcagccacgt | gactgttgtg | 1440 |
| gacagagcag | tgaccatcac | agaccttcga | tgagcgtttg | agtccaacac | cttccaagaa | 1500 |
| caacaaaacc | atatcagtgt | actgtagccc | cttaatttaa | gctttctaga | aagctttgga | 1560 |
| agtttttgta | gatagtagaa | aggggggcat | c | | | 1591 |

<210> 7587

<211> 2506

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (550)...(147)

<223> similar to gi5002587 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7587

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|-----|
| tttttttttt | ttgcacagcc | aaactacctt | gttttatttg | attttgagta | aaaacatgaa | 60 |
| ccatgtcaaa | gtttccaggc | agactcctaa | aaagcattag | cagatctgga | cccaggcagg | 120 |
| ccagggacag | ggaggctcct | ctatcagggt | ttgaggcggg | ttgagcgccg | aggtagtggg | 180 |
| ggctgggagg | gtcgagcgt | caccttgctg | gggtgtttgt | cctgggtggt | gggctgggag | 240 |
| gggtgggcgg | cgtctggagg | gaacagggtc | gtcaaagcgt | tccgggcgtt | gattgcgcac | 300 |
| cggcggtcca | caggctgggt | gggtgggctg | gggttcttgg | ccgccttgta | tttctgcagg | 360 |
| ttctcaaagt | ggcccaggga | cttgcaagtg | gagagctgtg | cccctgagtt | gctgtgatag | 420 |
| aacttgtggc | agatgcggca | gatatagccc | atcacgggca | ccaggaagtc | cacaccatat | 480 |
| gcagtattgg | ggctgtaggt | ctccagagccc | ttccactcct | ctctggatat | atctctggac | 540 |
| ctcacctgct | tgcagagttc | ctcctcaacc | tcgatctctt | cttcactctc | atcatcctct | 600 |
| tcctcttctt | catcaccctc | gaagcaaccc | acagcgtcca | ctgtaatgaa | gtggtcctca | 660 |

| | | | | | | |
|-------------|------------|-------------|-------------|------------|-------------|------|
| tcttggccag | caatttcttt | ctcaagcgac | ttcagctcct | tggctttgtc | cttatgcccc | 720 |
| tgggacttca | cgtgctccac | aaacttgcca | ggggttttga | agtagcgggt | gcaaacgggtg | 780 |
| cagaagggtc | gcaaggattg | tttggcaatc | ttgtggtcct | gtgtcctgcg | gtgttggatc | 840 |
| aggccccca | tgtagtagag | ctggcagggtg | ttgcaccagc | gccttgggtg | aggctcctca | 900 |
| tctctgtct | ccaggacgtc | ccggggcacg | ggcagcagg | acaggaggca | ggcttggctc | 960 |
| atgtgctgga | tctccctag | ccgtgctgg | tgtgaggct | ccgacatgtg | gtcctggaac | 1020 |
| tctgtctggc | tggagcagct | ggccttgcag | atgtagcaga | agaactggag | ggcctgctta | 1080 |
| gagggagtgc | tggtagccgc | aggggtggag | gagacggagt | cactggggcg | ggggacagg | 1140 |
| gtcaggggta | cagtgtctaa | ggcccggctg | tactgtctct | gcagaatgg | gaccttcagg | 1200 |
| gagcccccg | cgccccatac | ccctggcatc | tctctcgctc | tgttttcaca | ttctcccaca | 1260 |
| tctaggccac | aggccgactc | attctgaatc | tcttccatgc | tgacttgggt | gcccacaggc | 1320 |
| tctggcaagg | tcttttccat | gcctccacca | gcttctactg | catcagggtg | catctccagc | 1380 |
| ccgcagacat | gaaccacaac | tgggtgtttg | tctggagcca | gcaacgcac | ctgcggctgg | 1440 |
| gtgtgaggct | gctcatgggt | ctgtctgtgt | ggctgtactg | acacctgcgc | tggaggatgc | 1500 |
| tctgtggct | ggacgcttgg | ctgtgcctgt | gtgtggacct | gtggatatgt | ctgtgtctgg | 1560 |
| acctgcttct | gcagctgcag | ctgcacctgc | cttgggggct | gtgaatgtgc | ctggggctgc | 1620 |
| acctgtggct | gcacctgctt | cagcggctct | gcctcctgct | gcagctgcac | ctgccttggg | 1680 |
| ccctgtgaat | gtgcctgtgg | ctgtacctgt | ggctgcacct | gcttctgtgg | ctctgcctcc | 1740 |
| tgtgcagct | gtggctgcac | ctgcttctgt | tgcagcacta | agtgtctctg | agaggctctgt | 1800 |
| gtttgcgct | gcttctgcag | ctttggctgc | acctgggtgt | ctgtggatgg | tatccgcggc | 1860 |
| tgagtctgtg | actgcacctg | ggcctggacc | tgcaggacct | gtggctggaa | tcgtggcagc | 1920 |
| acttgggctt | ccagggcctc | aggcagcagg | tctgggtgtct | gtgtctgttt | cggctactgtc | 1980 |
| atccgggctt | gcggctgggc | cttcacctgt | aactgccctg | gaggttcctt | ctctgtgggc | 2040 |
| tcttctgagc | tcctcaatct | ctttgctggc | agctcggacg | cctcacaagg | ctcaggctca | 2100 |
| gggtgctggag | tgcgtttttc | cttggcgatg | tcctctgggc | agggcggtaa | atcttgggtct | 2160 |
| tctgggtgtgt | ccatccgggg | ctctgcggct | tcctcagacc | cctctggggg | gtctgacttg | 2220 |
| tcttccacag | gcattgtttg | agaagaagaa | tcctttcgat | tgggggtgg | agaggaggag | 2280 |
| gtccgggctt | gtttctgggg | gttccgtcct | gaaagggtga | actgggaagg | gttcatgggg | 2340 |
| accccaacag | gaggaggtcc | cagcaaggac | tggcgagtgg | cctggggaaa | gaactgttgc | 2400 |
| aaatttggag | tggccagttg | tgggggtgtg | aggctggggg | ctgcgaggcc | tggggatgcc | 2460 |
| atgccatagc | ctcggagggt | accagtggt | gctgtgggca | tgggtcc | | 2506 |

<210> 7588

<211> 2061

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (414)...(1620)

<223> similar to gi1552328 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7588

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| gagaaagcag | ggactcttcg | gcctaggcag | ccgggaccca | gccagccctg | cgcctcgcgc | 60 |
| cgtcgcgcac | gcgtcctggg | tatgtccacg | cgcaataagg | aggggcgaaa | ggacattttt | 120 |
| tttttttctt | gctccgcct | ctgttcttcc | cccacctgcc | acgtacagag | cccaagttct | 180 |
| cgctaggctt | gttgggtcag | cgcgattggc | cggggcccg | gcgagcctgc | gagcgagggtg | 240 |
| cggcggtcgc | gaagggcaac | cgagggggcc | gtgaccaccg | cctccccgcg | acgccccagt | 300 |
| ccagtggcct | cgcgtccgcc | cattcagcgg | agacctgcgg | agaggcggcg | gccgcggcct | 360 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| ccgcaagccg | tcttttctcta | gagttgtata | tatagaacat | cctggagtcc | accatgaacg | 420 |
| gacagttgga | tctaaagtggg | aagctaataca | tcaaagctca | acttggggag | gatattcggc | 480 |
| gaattcctat | tcataatgaa | gatattactt | atgatgaatt | agtgcataatg | atgcaacgag | 540 |
| ttttcagagg | aaaacttctg | agtaatgatg | aagtaacaat | aaagtataaa | gatgaagatg | 600 |
| gagatcttat | aacaattttt | gatagttctg | acctttcctt | tgcaattcag | tgtagtagga | 660 |
| tactgaaact | gacattat | gttaatggcc | agccaagacc | ccttgaatca | agtcaggtga | 720 |
| aatatctccg | tcgagaactg | atagaacttc | gaaataaagt | gaatcgttta | ttggatagct | 780 |
| tggaaaccacc | tggagaacca | ggaccttcca | ccaatattcc | tgaaaatgat | actgtggatg | 840 |
| gtagggaaga | aaagtctgct | tctgattcct | ctggaaaaca | gtctactcag | gttatggcag | 900 |
| caagtatgtc | tgcttttgat | ccttttaaaaa | accaagatga | aatcaataaa | aatgttatgt | 960 |
| cagcgtttgg | cttaacagat | gatcagggtt | cagggccacc | cagtgtcct | gcagaagatc | 1020 |
| gttcaggaac | acccgacagc | attgcttcc | cctcctcagc | agctcaccca | ccaggcggtc | 1080 |
| agccacagca | gccaccatat | acaggagctc | agactcaagc | aggatcatcag | attgaaggctc | 1140 |
| agatgtacca | acagtaccag | caacaggccg | gctatgggtc | acagcagccg | caggctccac | 1200 |
| ctcagcagcc | tcaacagtat | ggtattcagt | attcagcaag | ctatagtcag | cagactggac | 1260 |
| ctcaacaacc | tcagcagttc | cagggatatg | gccagcaacc | aacttcccag | gcaccagctc | 1320 |
| ctgccttttc | tggtcagcct | caacaactgc | ctgctcagcc | gccacagcag | taccaggcga | 1380 |
| gcaattatcc | tgacaaaact | tacactgccc | aaacttctca | gcctactaat | tatactgtgg | 1440 |
| ctcctgcctc | tcaacctgga | atggctccaa | gccaacctgg | ggcctatcaa | ccaagaccag | 1500 |
| gttttacttc | acttcctgga | agtaccatga | cccctcctcc | aagtgggcct | aatccttatg | 1560 |
| cgcgtaaccg | tctcctctt | ggtcagggtc | ataccacaacc | tggacctggt | tatcgataag | 1620 |
| gaggctcctc | tacaccaatt | aatgtagctg | ctagctattg | gcctcccaa | agactccagt | 1680 |
| actattttta | tttgtattga | agaagttcag | aaatttaaaa | gcagagcatt | ttttatgata | 1740 |
| tcattgttgg | tgtaattga | aagtataatt | tgctggaaca | caaagaccaa | aatgaaagtt | 1800 |
| ttttcctccc | tgcttaaaaa | tgtagcagct | tcttagttac | tttggaacac | tactcttaca | 1860 |
| tgtataaaagt | gattgacttg | actttctagc | ttccttctgc | cggaggatat | taaaatgcta | 1920 |
| gggtgagggt | tagccatctt | acttggcttt | ttactattaa | catgatgtac | taaagtagag | 1980 |
| ccctttgaga | atacaagata | ttatgtataa | aatgtaacac | tgatgatagg | ttaataaaga | 2040 |
| tgattgaatc | caaaaaaaaa | a | | | | 2061 |

<210> 7589

<211> 4874

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (317)...(3484)

<223> similar to gi4589654 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7589

| | | | | | | |
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| cccacgcgtc | cgcaccaagt | taatactgct | agttaatgac | aagaaaagat | atgagcgggt | 60 |
| tggtagcgcc | cccaagcggc | tgggacgaga | tgtggaaatg | gaagaaatga | ttgagcagct | 120 |
| gcaagagaaa | gttcatgagc | ttgaaaaaca | aatgacacc | ctcaaaaaaca | gactgatttc | 180 |
| agccaaacag | caacttcaaa | cccagggtta | caggcaaact | ccatacaata | atgtacaatc | 240 |
| tcgtattaac | actgggcgta | gaaaagcaaa | tgaaaatgct | ggtttacagg | aatgccccag | 300 |
| gaaaggata | aaattccaag | atgcagatgt | agcagaaact | ccacatccca | tgtttacaaa | 360 |
| atatggcaac | agtttacttg | aagaagccag | aggagaaata | agaaatttag | aaaacgttat | 420 |
| tcagtcacaa | agaggccaga | tagaggagtt | agagcacttg | gctgagatcc | tgaaaactca | 480 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| gttgaggaga | aaagaaaatg | aaattgagtt | atctcttctt | cagcttcgag | aacagcaagc | 540 |
| tacagatcaa | aggtcaaata | ttcgggacaa | tgtagaaatg | attaagcttc | ataaacagct | 600 |
| agtagagaaa | agcaatgctc | tttcagcaat | ggaaggaaaa | tttattcagc | ttcaagagaa | 660 |
| gcaaagaact | ctcaaaatca | gccacgatgc | tttgatggca | aatggggatg | aattaaacat | 720 |
| gcaacttaaa | gagcagcggt | taaaatgctg | cagtcttgag | aaacaattac | attctatgaa | 780 |
| gttttctgaa | agaagaatag | aagagctgca | ggatagaatt | aatgatttag | aaaaggaacg | 840 |
| ggaactttta | aaggaaaact | atgataaact | ttatgacagt | gccttcagtg | ctgccccatga | 900 |
| agagcaatgg | aagttaaagg | agcaacagct | gaaagtgcag | attgctcagc | tcgagactgc | 960 |
| cttgaagtct | gacttaacag | acaaaactga | aatccttgac | agattaaaaa | ctgaaagaga | 1020 |
| tcaaaatgaa | aaactcgttc | aagagaatag | agaactacag | ttacagtatc | tggaacaaaa | 1080 |
| gcaacaactt | gatgaactta | aaaaacgcac | aaaattgtac | aaccaggaga | atgatattaa | 1140 |
| tgctgatgaa | ttgagtgaag | ctctcctact | tataaaggct | caaaaagaac | aaaaaaatgg | 1200 |
| agacctttcc | tttttagtga | aagtagatag | tgaaattaat | aaagatctag | aacgctctat | 1260 |
| gagagagctg | caagcaactc | atgcagaaac | gggtgcaagag | ctggaaaaga | caagaaacat | 1320 |
| gctaattatg | caacacaaaa | ttaataaaga | ttatcagatg | gaggttgagg | cagtgaacctg | 1380 |
| taagatggaa | aatttgcagc | aagattatga | actcaaagtg | gaacagtatg | ttcatcttct | 1440 |
| tgatatcagg | gctgcacgta | tccataaact | agaagcccaa | ttaaaggata | ttgcctatgg | 1500 |
| caccaagcag | tacaaattta | aaccagaaat | catgccagat | gactctgttg | atgaatttga | 1560 |
| tgaaaccatc | cacttagaac | gaggcgaaaa | tctatttgaa | atccatatca | acaaagtaac | 1620 |
| cttttcttct | gaagttttac | aggcatctgg | agataaagag | cctgtcactt | tctgtacctt | 1680 |
| tgctttctat | gattttgaac | tacagacaac | tcccgtagtg | cgaggccctc | atccccgaata | 1740 |
| taacttctact | tctcaatatc | ttgttcatgt | taatgactta | tttttgcaat | atattcagaa | 1800 |
| gaatactatc | acccttgagg | tccaccaggc | ttatagcaca | gaatatgaaa | caattgcagc | 1860 |
| atgtcaatta | aaatttcacg | aaattcttga | aaaaagcggc | cgaatatttt | gtacagcaag | 1920 |
| tttgattgga | acaaaaggag | acatcccaaa | ttttggcaca | gtggaatact | ggttccgatt | 1980 |
| aagagttccc | atggatcaag | caattcgact | ttatcgagaa | agggcaaagg | ctttggggta | 2040 |
| tataacatca | aatttttaagg | ggccagagca | tatgcagtcg | ttaaagtcagc | aagcacccaa | 2100 |
| aactgctcaa | ctcagttcta | cagattccac | agatggcaac | ttaaatgaac | ttcacattac | 2160 |
| aataagatgt | tgcaaccacc | tgcagtcccg | agcaagccac | ctgcagccac | acccatatgt | 2220 |
| tgtgtacaag | ttttttgatt | ttgcagacca | tgatacagct | atcattccca | gtagcaatga | 2280 |
| tccacagttt | gatgatcata | tgtatttccc | agtgccaatg | aatatggact | tggatcgata | 2340 |
| ccttaagtca | gagtctctga | gtttttatgt | ttttgatgat | agtgataccc | aggagaatat | 2400 |
| ttacatagga | aaagtcaatg | tgctctctgat | ttcgttggca | catgacaggt | gtatctcagg | 2460 |
| aatatttgag | ttaacagacc | atcaaaagca | tcctgctggc | accatccatg | ttatattgaa | 2520 |
| atggaaattt | gcttaccttc | caccaagtgg | atcaataaca | actgaagact | taggaaattt | 2580 |
| cattcgcagc | gaagagccag | aagttgttca | aagacttcct | ccagcatcct | ctgttagcac | 2640 |
| actagtttta | gcaccaagac | ctaaaccaag | acaacgttta | acacctgtag | ataagaaggt | 2700 |
| atctttcgtg | gatatcatgc | cacatcagag | tgatgtttca | caagaaggca | gtgtagatga | 2760 |
| ggtaaaagag | aatactgaga | aaatgcagca | aggaaaagat | gatgtgtctt | tactatctga | 2820 |
| aggtcagctt | gcagaacaaa | gcttggcatc | ttctgaagat | gaaacagaaa | taacagagga | 2880 |
| cttggaacca | gaagctgaag | aggacatgtc | agcttctgac | agtgatgact | gtattattcc | 2940 |
| aggtcctatc | tccaagaata | tcaaacagcc | atcagaaaaa | attcggattg | agatcatagc | 3000 |
| tctaagcctt | aatgattctc | aagtaaccat | ggatgacact | atccaacggc | tgtttgttga | 3060 |
| gtgtcgattc | tacagtcttc | ctgctgaaga | gacaccctg | tcacttccaa | aaccaagag | 3120 |
| tgggcagtg | gtctactata | actatagcaa | tgtgatctac | gtggataaag | aaaacaacaa | 3180 |
| agcaaagaga | gacatcttaa | aagctatact | acaaaaacaa | gagatgccta | atagaagcct | 3240 |
| tcgcttcacc | gtggtcagtg | accctccaga | ggacgagcag | gacctggagt | gtgaggacat | 3300 |
| tggcgtggct | cacgtcgacc | ttgccgacat | gtttcaggaa | gggagggaac | tcattgagca | 3360 |
| aaatatcgat | gtttttgatg | cacgagcaga | tggtgaaggt | attggcaagc | tcagggtaac | 3420 |
| agtcgaagct | ctccatgccc | tccagtctgt | ctacaagcaa | tacagagatg | acttgagggc | 3480 |
| ttgaaagcaa | atgctccaga | ggcatctcct | actcctcagt | aaatgctcac | atgaaagtac | 3540 |
| ctacatgaga | ttttggtaat | tactctgggtg | tatataatct | ataattcatg | ggaagctggg | 3600 |
| agcggggaga | cctgggtttg | aagtgttgaa | gttttgtata | ctttttcatt | tgtttatttc | 3660 |
| tctattccct | ccttctcata | actgccaccc | ctcaggactt | aagttctcca | taatgggcag | 3720 |
| taccttctca | ataatttata | cctacgtgat | agcgtgagaa | agtctatttg | cattttcaac | 3780 |
| attttcttag | gaagaaccga | aatgcaattc | ccatttttat | ttttaataag | caaaagcata | 3840 |
| aatcttagaa | aacctatgaa | aaagaaatac | ttttatgtta | tccctaatac | tcccactaaa | 3900 |

| | | | | | | |
|-------------|------------|-------------|-------------|------------|------------|------|
| tggaatgcct | atgcattaga | cttcattaag | agtttttatac | tgtgaagatt | ttattagaag | 3960 |
| caatatatga | aaattacttg | gattaatggg | ttaatcttcc | tctttaaaat | gctaatatcc | 4020 |
| attttatgca | cattaaagct | cagtatgcat | tttctttgat | gcatgcagtt | tctatcaatt | 4080 |
| aaatataaaag | aatgaaactt | agcaccaact | tattcaatga | ctgcaagttt | tttgtctttc | 4140 |
| tttcttaaaa | gttcattcta | tttgtattat | tttcatacat | ttgtaatggg | gaccagggga | 4200 |
| tgtatatata | aaaaggagat | agttatatag | atagatgtga | aatttacacg | ttgaaaactt | 4260 |
| agtatatgac | acagaaagaa | attatgaaaa | gtataactca | aattctgata | tgcttagtta | 4320 |
| gacgtgaaag | gagtatcttt | ttatcatttt | ttaaattttac | atcaagccag | tacagtgcc | 4380 |
| gggtgtatct | gggtaaccag | atcctcgaaa | agcagctctg | aaagttaatt | ttctagcttt | 4440 |
| tacccaatct | cactgaagga | tttaattgat | atttttaatg | gagctgtgaa | tcaatgctgc | 4500 |
| aaaggaattg | tctctagagg | tctaggatat | aatgcatttc | attttttaat | ttactttttt | 4560 |
| atttgtcatt | ttcttcaaag | gattttttata | ggctgtgggt | tttactgtt | tgcaaacagg | 4620 |
| ctatgttcct | tcttaagcat | atgtaaagta | ttcagggaga | taagtaattt | attaaaatct | 4680 |
| acctaatttg | ccgtgatata | ttaaattctct | gcttcagtga | tcacagacca | tttcatttag | 4740 |
| agaattaggc | attccctctt | tgtgtgatta | aagctctgga | aaatgagttc | tttgctccta | 4800 |
| tttgtgaaca | ttcaaagcct | gctaattggca | agaagatgga | atagattatg | agacaattca | 4860 |
| ttacagttca | atag | | | | | 4874 |

<210> 7590

<211> 1848

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (590)...(299)

<223> similar to gil825591 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7590

| | | | | | | |
|-------------|-------------|-------------|------------|------------|-------------|------|
| tacgccaaagc | ttcgcacgag | gcacacatag | accaaacttg | tatacacaca | gacatctaca | 60 |
| ctgacatacc | ccatgtacac | acacagatct | agacgtgctc | cacatatgtg | tgaatatgcg | 120 |
| cacatacagg | cctaccacaa | acacaaaacc | cacctgcaaa | ggtttcacgg | aacgtggagc | 180 |
| tctcctggcc | tcccgctcct | cctcccagcc | tgtttggtgt | gcctctgtag | agagcgcttc | 240 |
| ggagagagag | gcgaagtagg | aagtgggatt | tctcttccc | tctcctgggc | ccgtttgccc | 300 |
| ctaccctcgc | ccagcaagct | gcgccc aaat | tctattctgc | ctctggaaac | tgctggacca | 360 |
| tccaaggtca | gctgcctgcc | ctgaccacct | ccccagggcc | agcttgctct | cctgggaggc | 420 |
| gggacaggcc | ccagtgaggt | tccgttgtgc | gctgtgccta | tctctcgatt | ccagggcaga | 480 |
| tgagccacaa | catcaccacc | ctgccactta | caaggtgggg | gacctgggtc | tgggggtctca | 540 |
| ggcgcaaact | ggaggccctc | acagcccact | aggccccctc | ccaacccag | taccctcagt | 600 |
| ccctcagtca | ggtgggtgcta | gtagagctat | ctctgacgct | gcaggcccca | ggtagatggg | 660 |
| cagggccctc | cgtgggtgtg | cagcggcggt | tccctcatca | gtccagccac | tgcccaggac | 720 |
| taagggctct | caaggaagat | gaggccattg | cccttctcca | ggtggcttca | ccacagtgtc | 780 |
| gcctgggcac | ctctctgagg | cagagaagtg | gcccctccct | cagtccttgc | ctggccgacc | 840 |
| actgtggcct | gcacgcgaat | gggtcagagc | cagaccccgg | agctgggtgt | gtccttctag | 900 |
| gtggctgtct | atagctgggg | atggtgagtg | gctgtgttct | ggccttgccc | acgtgggtgt | 960 |
| ttgcagagac | aaaatgaagg | ggatatgtct | cccataaata | ccaccttgcc | accacaagag | 1020 |
| gaccagaagg | ctactcagcc | ttgctgccac | atgaagggga | tttgtagggg | caagcctggc | 1080 |
| tgcagaaagg | ctggctcaga | tcttgaccaa | gaaaccccaa | gcgatttcca | tcaaagacca | 1140 |
| cgcaggtaac | aagaggtgat | tcctggaaga | cccagcccac | agaggggttg | cagccaaagc | 1200 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| atctctgagc | agtgtccctg | ctagcatcgc | cagcggccat | cactctgcct | ccctcccacc | 1260 |
| tcttgccct | cgtcgttaaa | aaacagcacc | ctatcctgct | tccccacatt | tctgttcttc | 1320 |
| caatgaaggg | ctaagactat | ttagtaatct | ctttcttaag | cagaggagtg | gcaaggatgg | 1380 |
| caatcttgaa | ttttattttc | tgtagagata | gcatttcttc | tggcgaggag | ctgaaaggaa | 1440 |
| tccaccagca | agttctgtag | catcctgcgt | gcagcctcct | ggagccccag | actccatctg | 1500 |
| ggggaggggac | ttgtttacaa | gcagttctga | ccaccttagt | ggtgtactgt | tttctaggca | 1560 |
| aaaaatatct | gtctgttgta | cctgtatagc | cctttaaaat | gcagtcccag | gaatgagact | 1620 |
| cttttaagaa | acacatccct | gcttctgcaa | ttcccagaga | gtgctggggg | aaaaaaaggg | 1680 |
| ataaaaattc | ctacctactc | atcagtgttt | gaaagatgga | gctgaatagc | ttttcttggt | 1740 |
| cctggactag | gcaatgaata | agcaacaatg | tatcttttct | gtgttcaaaa | taaatacata | 1800 |
| atatcaataa | aatgtagcaa | gaagtaacac | tttcagagag | tgaaaaaa | | 1848 |

<210> 7591

<211> 2737

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (20)...(2166)

<223> similar to gi4530435 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7591

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| ccgaggaggg | agcttgcggt | gcgttctggg | aaagttgctg | ggccagctcc | tttgtttcca | 60 |
| gtctgagcgt | tgcgttcggt | ttcccagagg | tcttctgagg | caccgcggct | gcgggcttct | 120 |
| gagttcccgg | ctctccgcag | ggaagcctcc | tcttcgtacc | tcgttttttg | gctcgtgggg | 180 |
| ggtcctccca | ccgtggccg | acgcagccag | catgtccggg | gtgcgcgcag | tgccgatcag | 240 |
| catcgaatcg | gcctgcgaga | agcaggtcca | tgaggtgggc | ctggatggca | ccgagacgta | 300 |
| cctgcccccg | ctgtccatgt | cgcagaatct | ggcgcgtctg | gccagcgga | tagacttcag | 360 |
| ccagggttcg | ggctccgagg | aggaggaggc | ggcggggacc | gagggggacg | cgcaggagtg | 420 |
| gccgggcgcc | gggtccagcg | cagaccagga | cgacgaggaa | ggagtggtaa | aatttcagcc | 480 |
| ttccctttgg | ccttgggact | cagtgaggaa | caatttgaga | agtgcctga | cagagatgtg | 540 |
| tgttctctat | gatgttctca | gtattgttag | ggataaaaaa | tttatgactc | ttgatcctgt | 600 |
| ctctcaggat | gcacttcctc | caaaacagaa | tcctcagacg | ttgcaattga | tatctaaaaa | 660 |
| gaagtcactt | gctggagcag | cacaaatctt | attgaagggg | gcagaaagac | tgactaaatc | 720 |
| agttaccgaa | aaccaagaaa | acaagctaca | aagagacttc | aattctgagc | ttttgcgatt | 780 |
| acggcaacac | tggaaacttc | gaaaagttgg | agataaaatt | ctcggagatc | tgagctacag | 840 |
| aagtgcagga | tctctctttc | ctcatcatgg | tacatttgaa | gtaataaaga | atacagatct | 900 |
| cgatctggat | aaaaagatac | ctgaagatta | ctgtcctctt | gatgtccaaa | ttcctagtga | 960 |
| tttagagggg | tctgcatata | tcaaggtttc | aatacaaaaa | caggctccag | atataggtga | 1020 |
| cctcggcaca | gttaacctct | tcaaacgacc | tttgcccaaa | tccaaaccag | gttccccaca | 1080 |
| ttggcagaca | aaattagaag | cggcacagaa | tgttctctta | tgtaaagaaa | tttttgca | 1140 |
| gctctctcgg | gaagctgttc | aaattaaatc | acaagtcctc | cacattgtgg | tgaaaaacca | 1200 |
| gattatctct | cagccctttc | cgagcttgca | gttatctatt | tctttgtgcc | attcctcaaa | 1260 |
| tgataagaaa | tcccaaaaat | ttgctactga | gaagcaatgt | ccggaggacc | acctttatgt | 1320 |
| cctagagcat | aatttgcata | tactgattag | agagtttcat | aaacagacct | tgagttccat | 1380 |
| catgatgcct | catccagcaa | gtgcaccttt | tggccacaag | agaatgagac | tttcgggtcc | 1440 |
| tcaagctttt | gataaaaatg | aaattaatc | attacagtcc | agtgaagggc | ttctggaaaa | 1500 |
| aataattaaa | caagcaaagc | atatttttct | aaggagtaga | gctgctgcaa | ccattgacag | 1560 |

| | | | | | | |
|------------|-------------|------------|------------|-------------|-------------|------|
| cttagcaagc | cgaattgagg | atcctcagat | acaggctcat | tgggtcaaata | tcaatgatgt | 1620 |
| ttatgaatct | agtggtgaaag | ttttaatcac | atcacaaggc | tatgaacaaa | tatgcaagtc | 1680 |
| cattcaactg | caattgaata | ttggagttga | gcagattcga | gttgtacata | gagatggaag | 1740 |
| agtaattaca | ctgtcttata | aggagcagga | gctacaggat | tttcttctgt | ctcagatgtc | 1800 |
| acagcaccag | gtacatgcag | ttcagcaact | cgccaagggt | atgggctggc | aagtactgag | 1860 |
| cttcagtaat | catgtgggac | ttggacctat | agagagcatt | ggtaatgcat | ctgccatcac | 1920 |
| ggtggcctcc | ccaagtgggtg | actatgctat | ttcagttcgt | aatggacctg | aaagtggcag | 1980 |
| caagattatg | gttcagtttc | ctcgtaacca | atgtaaagac | cttccaaaaa | gtgatgtttt | 2040 |
| acaagataac | aaatggagtc | atcttcgtgg | gccattcaaa | gaagttcagt | ggaataaaaat | 2100 |
| ggaaggtcga | aattttgttt | ataaaatgga | gctgcttatg | tctgcactta | gcccttgtct | 2160 |
| actatgattt | tttccagatg | tttctaaag | aagtttccag | aaactttgac | ttgaaatgtt | 2220 |
| tgcagatcaa | ctataagcac | aaagaagaga | taacttccaa | aagagtgctg | tttttaaaaa | 2280 |
| taataattag | gaaatgttta | tttagcactt | tcaaactttt | cactttataa | atgacaagtg | 2340 |
| ctttgaaatg | cagaagttta | tgtacagttg | tatatacagt | atgacaagat | gtaaaataat | 2400 |
| atgtttttca | tgcagtttaa | aatattacta | acttaagggt | ttctatgtgc | tttttaaaaat | 2460 |
| attccttctt | tgatgttgac | atcaaataaa | gtatgtgggt | taaaaaaatc | tccaaataacc | 2520 |
| tttttttccc | cccaaatact | ttctaaactt | ttttttttga | gatgggtatct | cactctgtag | 2580 |
| cccagtcctg | agtgagtggt | tgtgatcatg | gttcactgca | gtcttgacct | cccaggctta | 2640 |
| ggtgatcctt | ctgtctcagc | cttccgagta | gctgggacca | caggcatgca | caaccacggc | 2700 |
| tggctaattt | ttgtattttt | tataaagaca | gggtttt | | | 2737 |

<210> 7592

<211> 639

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (81)...(495)

<223> similar to gil491803 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7592

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| actaggcggc | acccgagccc | tgagggtccc | agccccgcgc | tccgcgtccc | cgggacagca | 60 |
| tggagcgcgc | ggagcccag | ctgatccggc | agagctggcg | ggcagtgagc | cgcagcccgc | 120 |
| tggagcacgg | caccgtcctg | tttgccaggc | tgtttgccct | ggagcctgac | ctgctgcccc | 180 |
| tcttccagta | caactgccgc | cagttctcca | gccagagga | ctgtctctcc | tcgcctgagt | 240 |
| tcttggaaca | catcaggaag | gtgatgctcg | tgattgatgc | tgcagtgacc | aatgtggaag | 300 |
| acctgtcctc | actggaggag | taccttgcca | gcctgggcag | gaagcaccgg | gcagtgggtg | 360 |
| tgaagctcag | ctccttctcg | acagtgggtg | agtctctgct | ctacatgctg | gagaagtgtc | 420 |
| tgggccttgc | cttcacacca | gccacacggg | ctgcctggag | ccaactctac | ggggccgtag | 480 |
| tgcaggccat | gagtcgaggc | tgggatggcg | agtaagaggc | gaccccgccc | ggcagccccc | 540 |
| atccatctgt | gtctgtctgt | tggcctgtat | ctgttgtagc | ccaggctccc | caagcttccc | 600 |
| tgcactcttg | tccttgctcc | cttggccaca | ctggagagg | | | 639 |

<210> 7593

<211> 1628
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1332)...(679)
 <223> similar to gill107698 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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<400> 7593
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agagataaat atgaaaactt ttttttgata aaacacctag taaggacatg tttccagggt      120
taaagtcat  gaacatataa aacagaaatt gggtcctgcc accttgagtg caggattctg      180
aggtcctaaa tctggttctg aggttctgtg tttgattctg gggtagacag agctcaagta      240
ggaggtctcc ttatgtcaca aaactacacg atgcggaggt tctgttcccc accaaaggct      300
tgtctggggc ccattggctg cctggggagg agggcccagc gaggtcatg ggtccagcat      360
ggctcctggg gggacccta ctctcaccac gcaagagccc ccagccagga gcaactgggg      420
agccagctgc gggccgatga gggggcttct ggcccgcctt gcacctggag gcccgccttg      480
cacctggagt tcctgcttgg ccacgggtgg gcagaccag gagacacagc actccccact      540
gggtctagga ccgtctccgc ggggtggggac cccagccggc caggcatgtg ccctgacagc      600
cctgccgaca acaacacctg aagggaaccc agagtccggc gtaggaggcg gcggggctct      660
tgctgctggg gggcgcccta ggcctcggag gaggactgtg atggcccctg cagcagcagg      720
gcacggtagg tgggagagct gaggaagcgg gggtaggagt cccggtgcat gagcgtgtag      780
atctgcagct gcgcgtcgtc gaacgttgtt gcggacggct cctgcatctt cttgttgatg      840
ccctcccgca cacgggagtc caggctcacc tccttggggg acaggatgga tacgtagtcc      900
tcgtagatga gcctcgcctt ctgctctacc acatgctggg tggcctcggc cttcagctcc      960
tcgcaggcca accagaagag catgttctcc tcgctgtact ctgtccgcag gaacgcccgg     1020
aacacgctgc gtcccgtggt gctgtgcatc agcttgtcaa aagactgcgc ccagctctgc     1080
acctcctcag gacttggtgt ggcacatact tcacagctgg ggaggggctg cagcttgctc     1140
tcccgggagg cctgccacgc gcgcgcgcgc tcttggttcc aggagcagct acagcagcag     1200
caccagcaca ggcagcaggg gttgcggctg ggggcgcgtg gagaggctgt atcatgactg     1260
gacattgaag ggggccggtc cgctcctctt ggccctgtga tctgcttctc agcctcatgc     1320
ggggtgggca tgggtgggct gaggaggttg cccaggctcc gtggtaccag ctctcagacc     1380
ctcaccacag cctgggggtc agcgacccaa aggcgggggt ggggcaggag gggccagggt     1440
gggtctgggc cccaccctgg ctgccgaagg ggcgtgcact gcagcagcag ggactcaagt     1500
cagacggcag gagggactcc tgcggcgtc tggagggagg ctacgccag gagccccga     1560
tcggctgggg ccggggggcg agcgcctccc ctacagctcg aagggtgag tggtgcccc     1620
tagtgcca
  
```

<210> 7594
 <211> 2090
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (184)...(270)
 <223> similar to gil70454 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7594
agcctgacct gatacgccag cttggcacga gggggccacc tcctgcagct ccccaaataga 60
ctgaggcaga aagcccttgg ggagcctaga aagcaaagct aaaggggatg cagggtctgt 120
ctgtctgtct gtctttcagt ctgaggaatg agaatcctga cctgaggggt gtgcagctga 180
gagccacta cctccccagc cctctcggc cccagccgca tcatcccacc tgtcccctcc 240
ccccacctc cagtggggct ttctccagat gtcttatggg tgggggttcc ctgatgggcc 300
aggagaggag ggcattctct tgcgacagca ctgtctgggt taagtgccca gtgagggcat 360
ggtgtgggga gctggcctca gaggagccgc tgggtgggcaa gcgtgaagtg ggctgagggg 420
ctctgagcca ctttgcctcc atctagggga ctgcccccca tggaaactct ttgaagtcac 480
agcagccttc ctttctgttt gctcttgggg ctgagaggtg gctcaaacac tcgggggtccc 540
tatggtctct ggtcaatcta ggccaggctg caccctatgg acagggagtc tcagggtctcc 600
tgatcatgcc caggccctgg cctggggcct cctccttgg cagctttccc acccccacgc 660
ccctggcatc ctcagttgct atgggatgcc cctccagggc accagctcag ggctaagcga 720
aggaagatag gagcagctca gagctgccag gctctgcctt cctcacagac ctggtggggc 780
aggtcctggt cacagcagca ggagtgaagg cctggccatc ggtggagagg gcagctgtca 840
gagggctggg ggccagggca caggattgaa gagtttcaca tatcatcaca gcatacactg 900
ggaatttggt gggggcagaa gaaccaggg ccactccctc aatatgaagg gaaaccaagc 960
tgaatgtgac caccggcaca ctgctgccat gtcccatgtc cacttttctc cccgggaata 1020
actggccctg agaccctag acccaaggag gctgtgccca tgccaagcat ccgggaagca 1080
tggctggcct tatccacca tgggtcacgt cggttcccag gggcagcatg ggagatcttt 1140
gggggcaaca gggagagtct ggggtggggag acgggacttg tccaagcaga aggcaggacc 1200
ctgggaaatg cataatgtaa ggacatcaat aatagtatta tttttttgt aagggaaaat 1260
caatatgtac attctgaaat cattttctct gtaaatggtt ggatttcatt tcacccttaa 1320
agggatgctt aaaggagaag ataattattaa taataaaaac agctacaaag tcaaaaaaaa 1380
aaaaaagggg gggccctttt aaaagaacca attttaaaac ccgggggtgg gaaagtaaaa 1440
atttttttaa tggggcccca aaattaaatt ccggggccgg ggtttaaaaa cgggggaagg 1500
ggaaaaaccc gggggtaccc caattaaacc cctttagcaa aaatctgaga agcaatgcag 1560
cccgagctt aacttcaaca tgcttttaaa cttttttccc attctcttga gtttcaagat 1620
ataaccttga ggaaactcaa aatcctttct ccttagcctt aaaatagact ccacgtccct 1680
cccccttctc accagatatg ctcccttttc atttatctaa ctgtatgcta ctatttaatt 1740
gtgtgatgtc ttagaagttt cagtggctaa tcttgagaca gaccaagcct ggagaccag 1800
ctgcaaacct ccaaaaatta cttcaaatg gctaattaac aacctgacca ttgttaaaat 1860
aatgtcaatc cgaggtccag gtggactgaa gcccaagata gccaccagaa caaaacacac 1920
agacatcata ctcagcccat ttcttgcag cttccttat caagtcttcc cttttaaaaa 1980
ccctaaaaat tgctttcccc tctaaaaatt gaagcagtta ctttaaatag caatctggct 2040
acttccccct ttactagtgt tgggtaataa atttgccttt tattactaga 2090

```

<210> 7595

<211> 1335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1198)...(520)

<223> similar to gi452658 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters


```

<400> 7595
ttttttttttt ttccgcataa ctctttttaat aaataaagca tattcatggc ttagatttta 60
aatcacattt acagatgagg gaaaacttct aggcctaaac aggtaacagt aaagcgacta 120
ctgctggaag gagtgggtgt ccacatgcgc cttaagcctc aagagtgggg actgcagggc 180
caaacaccaa atacatcacc tttaggccag acggagagtg gagaccagg aagcccatgc 240
aaccaccatc tgccccctcc cctagtgtct cagaaccggc tggacactgt cacactttca 300
gaagaactgg aggtgggtcc tgatcatatt acatgaagct ttccaccatt gtgaacaatt 360
aggcaaggca tgagtgcag aggggcatcg ctgataaata cagagcaata ctggggcagt 420
gaagaggaag ctacagagac attcgtgttt cttcaaatat cagaagcttc cacatcacag 480
caggagagct gacgacgagc tccacctcct gaaggcttag tccaaaaact tcctgttggc 540
atgtgcacca aacaaggctc cccggacttc tggcatcatc tgctgggcta tgagatccag 600
ccggctttcc aggtgtgttg aaacctttat tttagcatct ccattataga tctcaactcc 660
accagctatg tcttcaggca ggtaggactc ctggtcaatt tggacatcaa catcgttttt 720
ggtggcaatt ttgtacatag gaattgcctt ctgcactgca gcctttacca gagggaaatc 780
ttgtttcctg caacgaacaa tcattcgggg ctccagcaac tggtaaaaac cctgggagaa 840
cagtccatcc agcagcactt ggtacctggt tgtatctttt accaccttgc tgagtctctg 900
ttttgcttca ttttagtagt ctgtgataag gtcactctct gctctgagga ctttgagtct 960
cgcttgatcc atcaaattgg acatctgaat tttcttctgc tgetcaatct gtttctcttt 1020
cttctcataa tattccataa tcttttagtct ttgggtttgc acaagccgac ctttctctat 1080
gttgaactct tcttctgect ttgcacttat ttcttctgct ttctcattgg cttcttgctc 1140
aatgaaagcc atcatatgct ttatctgctt ttgcacgtca gcacgctga gagccatggc 1200
gagagcaatg ctaggccggt gaacagtagg ctcgagttta ggtttgaaag gtgaggtgag 1260
agaaatcggc aaagggaacc cctgcgcaga tctcgggttc ctttacttta taaccgcggg 1320
ttccggttcc tgcca 1335

```

```

<210> 7596
<211> 2832
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (86)...(707)
<223> similar to gi515041 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 7596
ccaccgctcc gaattcccgg gtcgacgatt tcgttgagag gcgcacccgg gcggccagct 60
gggctcggag cggaacgggg tcaggatgga cgaggacgtg ctaaccaccc tgaagatcct 120
catcatcggc gagagtgggg tgggcaagtc cagcctgtct ttgaggttca cagatgatac 180
gtttgatcca gaacttgacg caacaatagg tgttgacttt aagggtgaaa caatttcagt 240
ggatggaaat aaggctaaac ttgcaatatg ggatactgct ggtcaagaga ggtttagaac 300
attaactccc agctattata gaggtgcaca ggggtgttata ttagtttatg atgtcacaag 360
aagagataca tttgttaaac tggataattg gttaaataaa ttggaaacat actgtacaag 420
aatgacata gtaaaccatgc tagttggaaa taaaatcgat aaggaaaatc gtgaagtcca 480
tagaaatgaa ggcctgaaat ttgcacgaaa gcattccatg ttatttatag aggcaagtgc 540
aaaaacctgt gatggtgtac aatgtgcctt tgaagaactt gttgaaaaga tcattcagac 600
ccctggactg tgggaaagtg agaaccagaa taaaggagtc aaactgtcac acagggaaga 660

```

| | | | | | | |
|------------|-------------|------------|-------------|------------|------------|------|
| aggccaagga | ggaggagcct | gtggtggtta | ttgctctgtg | ttataaactc | tgggaaattc | 720 |
| catctcttgc | atatttgatc | agatagtgac | atctttctgt | atataaactc | tttaactgct | 780 |
| attttaggga | ccttgcagtt | tgcacataat | tgttttatat | catagcagta | aatatttgca | 840 |
| agaaatccca | ctcatcgacc | ccgggtaaaa | tgttatggta | agcatgcaca | gtttgcagtc | 900 |
| tacagttttt | ttatgtagca | caaaataggt | gtacctttat | aagtacattc | aattttatga | 960 |
| tttacattta | tcattgtaatt | tttaaaaaaa | tccatctatc | taggatattg | tgatacaaag | 1020 |
| tctgcttttg | ctattctttt | tgcttaaata | ctcctatcat | tttctgaatt | acttggattt | 1080 |
| tagaactcct | agcaccacgg | ggaagaatag | aggtatcatc | aaacgtggca | aattttcttt | 1140 |
| caggaataat | aaagagcatg | attccacagc | ttttctggga | tgtttgagat | tcttttttag | 1200 |
| tactaagcaa | aattctcatc | acagaatgta | gccaggcca | atttataact | aaatctctat | 1260 |
| ttgttcggat | gatgcttcta | aaacagcatt | gatagggtta | agaagcttgg | tatttttaat | 1320 |
| ttacttcaat | gattagctca | gttgcttaac | tggagtttta | atcctgtgat | atgtacattg | 1380 |
| gattcatgac | tgtgcagcat | ttttagttat | gtgggtgttg | gcagaatgac | aataaggttt | 1440 |
| tccccatttt | tggtttcagg | aggacatgaa | tagtgtgttt | attgtaactc | ctcatacact | 1500 |
| tttaaaacca | acatcttttt | tcataaatgt | tggtagtggt | tgtccaggta | ccttaactgt | 1560 |
| agcttgtgta | atgttgatga | atatctgtat | cttacggctt | ccataatggc | tagttgatat | 1620 |
| tcaaaaacct | atttctgtgt | tttgaggggt | ggggaaaaaa | aacactaagt | gataatttga | 1680 |
| aaaaggcata | ttgcttccag | attctgatgt | gtgagggaaa | atactgtcac | aatgaaaatc | 1740 |
| ttgacaattt | acttaacaag | taaccagtag | ttcatcaaaa | ccaacttgta | cagactaata | 1800 |
| aatctttttc | acagtattca | gttttctcac | ctcttgctat | tgtatattgt | agattttttt | 1860 |
| cattcatgtg | ttatttaatt | tacactgac | tctgctattt | taacccccca | aataagttat | 1920 |
| ttgtccttta | aggttgggta | ctataatacc | cctcagtaag | attccagtat | taatttctgg | 1980 |
| gcagtttggt | ctctgtatac | aattgcaaat | gataagcatt | tttgtgagtg | accacctttg | 2040 |
| caatatgttt | gttaattttac | ttcatgttgg | gttctttctg | aaatgtacat | ctttacatat | 2100 |
| aaaaacctca | cattctactt | gatttacact | tcctagtcta | cattacatgt | ggttgaaggt | 2160 |
| tttatacatt | ctatatgctt | ttactaaata | tacaagattt | actactagaa | atttggagaa | 2220 |
| agaacactaa | cacatgtact | tgtgatttgt | tcattgttata | ttaaaacttg | agatttgtgt | 2280 |
| atztatgtag | agtctgtatt | gacaagactg | ttgttttttg | ctccttgagc | tatataataa | 2340 |
| tctgtgtatt | ggattgttgt | cttgatttgg | tctaaatttg | aatatatatg | agttacttga | 2400 |
| atataacaaa | aatgaatttt | gtttgataga | tttatattgt | aacctttttc | tagttcttga | 2460 |
| ataaatatag | cctgctttcc | ctaggatgca | tttgtgtagg | gaagtatata | catttcctta | 2520 |
| ttactctcat | caggctggaa | ggaatatgta | ctattgtgtt | tactcaaatt | atgtgggcct | 2580 |
| ttccattttg | ttgttttggt | gcaagcttag | tgttttgtag | tggaggtttt | gtaaatgaaa | 2640 |
| cagttgtaat | atctaaggct | aggcacctag | taacagggtt | ttgttaattc | ttttcagaat | 2700 |
| cattgaagca | gtcttaagg | gtcttttgca | gatggtacaa | attagaacaa | ttagaatata | 2760 |
| gtattttgag | ttctagtagt | actgagattg | acccaaacaa | ataaaaaact | attcaatttc | 2820 |
| tgaaaaaaaa | aa | | | | | 2832 |

<210> 7597

<211> 3028

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2865)...(533)

<223> similar to gi4176446 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7597

| | | | | | | |
|------------|-------------|------------|------------|-------------|-------------|------|
| gttagtccat | cttattcagt | ccatggaagg | ggtgggtagc | acagctgggt | cccgggtctg | 60 |
| ttgtgtccca | gcatctgagg | ggccacgcag | tgccttctag | accactcaag | gaagggcaga | 120 |
| accttgacc | tgaatacagc | tctgcagccc | tagctgcaca | gaagacaggt | aggtgctttc | 180 |
| tcaaagaaga | cagacacagt | ttatttataa | accaaagagg | ccaggagcct | actagccacc | 240 |
| cccatccct | tccctcttcc | tgagcacaga | catggctccc | ccacctcctc | acaaggtttt | 300 |
| tggtagaaac | tgtggtttgg | cctagagcat | ccctaaggac | cctggtgggg | cagggtaccc | 360 |
| tctgtccca | ccacctggga | tgtgtgggg | aacgtggagt | ggggcagcct | gatattgata | 420 |
| ccccggggc | ccggccaggg | ctctggagct | gctcttccct | gggctctgca | gcttggggtc | 480 |
| ctgggccacc | tcagacgcag | gcccagaggt | gggctgggga | ggaggggggtc | acccgtccac | 540 |
| atcccagctg | aagaggtggg | gcttcaccag | catgtcccgg | acgccctcct | tcaggggctg | 600 |
| ctgcgcctct | ctcttcgcag | ggagctccca | gtcctgggag | aggctgaagg | caaagcagca | 660 |
| gaggactcgg | agctcacact | tgatctggac | ccagcccggg | ctgcgcagga | aggaccaggg | 720 |
| ctggtaccac | ttctccacgg | tgggcaggct | ggagcagagc | acctccagcc | acaggtgcag | 780 |
| cacctgctca | ttgagcccca | cgcagatcag | tgagcggagc | ttcacatcca | tttgtgcatg | 840 |
| cactgcatcg | tgggtcacgt | tcacagactg | cacagcccgg | tagagcagct | cctccggggg | 900 |
| caggactttg | ccatcttcat | ccaacctgaa | ggtcttacag | agcaccagac | gggaatacac | 960 |
| ggaggcaaa | tctctctcga | cctcccggcc | tgcagcctcc | tcgataaaca | gccaggggtg | 1020 |
| gcaggcgccc | ccaagcaggg | atggcttctt | cagtccatgt | tcgaacaggg | ccttaagggg | 1080 |
| cgggcagagg | gtccctcgca | cgaggtctgt | gacccccctc | gtcaccgagt | catcccccg | 1140 |
| gatggagtac | tctttgctgc | gtcctccag | gacttccacg | aacttggtctg | gaaaccagcc | 1200 |
| tcgcaggccg | ttgagctccc | ccaccagca | gtgctcgtcc | ttctgagaca | cgatttgtgat | 1260 |
| gatgtcgttc | ttgcggaagc | ccagctcgtc | gtcgtcgtgc | cgctcaaagt | ccagcagggc | 1320 |
| cttggtcctg | cgcgggtggc | tgcgtgagca | cgccacgtag | ttctcgtggt | cccgtgtgtg | 1380 |
| gctctccatg | ctatagtctg | gagtcagctc | ctgccacagt | gaatacaggc | ccactaaggg | 1440 |
| ggttgaggga | gttagggccg | tgtttggtag | cagcccaggg | agctggcgac | tcaccaagct | 1500 |
| gcagtttttg | gggtctgtgc | actggaagtg | gctgtccacg | cgcaggatgg | cttcccggag | 1560 |
| gtcagccacc | agttccgtct | gcttgatgtt | cttggccttg | agtgcctcca | ggtcatcctc | 1620 |
| ccgaagagc | agagcagtga | tggtagactt | cctccgctgg | gtcctgcggc | gaacaacctg | 1680 |
| agagaggttg | gtgaggggtg | cggcccccag | gagctggccc | tggcttgcaa | tgagataggc | 1740 |
| cagggtgctt | cggcgctgag | tctccacggc | cacatcggtg | agggagccgg | ccagccgcat | 1800 |
| ggccaccccc | agaagcagct | ccgcgtcctc | catctgcgac | gggatatccg | atagcgtgtt | 1860 |
| gaagatggag | gccgagttct | ctgactggat | cagctcttcc | tccttgaggt | gcagcatgcc | 1920 |
| cagcgtgagc | tggaaacagca | cccgggagcc | ctcgtagaaa | aacagggtccc | agatgcgcag | 1980 |
| gagcagcttg | atgtccacca | cgtcggcgaa | ggcgtgagg | aaccagtgca | gtgtgatcag | 2040 |
| ggacagctca | atgtcatgct | cctggagcag | cttgtccagg | cgaggcaggt | actggacaat | 2100 |
| gaggtggcgc | aggacccgct | ggtcagctct | gacacccagc | aggggtggtg | tgaagtagga | 2160 |
| ggcggggagc | aggtcctcga | tgatggcaga | catcatccag | aaggcgtcct | cctcctccag | 2220 |
| gaacagcagg | aggcaggcgg | ccaccatgcc | ggtgccctgg | cagtagccga | tctctgggta | 2280 |
| gagccaggcc | agggcccggg | gcacctgcg | caggcggggc | accccgatgc | tacccatgct | 2340 |
| ggcgaagcag | gcgttgctgg | gcattggtgc | gagcaggtcc | ttctcgatct | gcttggcagc | 2400 |
| gatggtctca | tcgttggagc | tgttcttcac | aatctgcggg | taggacagct | cagagttcct | 2460 |
| cttcttctgc | agggccccag | agagccgcat | ccacagctgt | ggcctcatgc | catgtgggat | 2520 |
| gccggccagc | accagggagc | ggagcttctc | agagcggggg | agggagacgg | caatcttgtc | 2580 |
| ccaggtgaga | tccccacat | cgtgggttat | ggtgaactcc | aggtgggcct | gccaccgcag | 2640 |
| cctctgtgga | gcatcctcca | tcagagggga | gttcgccagc | agactggagc | caggctcatc | 2700 |
| accttcttcc | ttgtacacac | ggaaacaaa | ctcatcgtag | tagaactctg | gttgctctgc | 2760 |
| tgactcttcc | ttctgcgtgt | acttgcccaa | gatctcctgg | ggccatatgc | tcggagtcag | 2820 |
| ggctgagaaa | gggccacagg | caggtgtatg | gcttcttgac | attgtgctgg | tgggctggca | 2880 |
| agtcttctgc | agctccaatc | ttagaagtct | cctatcctgc | tatcttagag | ctggaaggct | 2940 |
| cctcaggctt | catctgggtc | agaatcatct | gccctgcccc | acgggccacc | tcagcgccaa | 3000 |
| tccgggtcgg | gttagcagct | tccccact | | | | 3028 |

<211> 1927
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (12)...(1612)
 <223> similar to gi2996578 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7598

| | | | | | | |
|------------|-------------|-------------|------------|------------|------------|------|
| ggcacgagga | agcgtgcggt | gccgcagcaa | tggcggcgct | cacaattgcc | acgggtactg | 60 |
| gcaattgggt | ttcggtttt | gcgctcggg | tgactcttct | caaatgcctt | ctcatcccca | 120 |
| cataccattc | cacagatttt | gaagtacacc | gaaactggct | tgctatcact | cacagtttgc | 180 |
| caatatcaca | gtggtattat | gaggcaactt | cagagtggac | gttggattac | ccccctttct | 240 |
| ttgcatgggt | tgagtatatc | ctgtcacatg | ttgccaaata | ttttgatcaa | gaaatgctga | 300 |
| atgtccataa | tttgaattac | tccagctcaa | ggaccttact | tttccagaga | ttttccgtca | 360 |
| tctttatgga | tgtactcttt | gtgtatgctg | tccgtgagtg | ctgtaaatgc | attgatggaa | 420 |
| aaaaagtggg | taaagaactt | acagaaaagc | caaaatttat | tctgtcggta | ttacttctgt | 480 |
| ggaacttcgg | gttattaatt | gtggaccata | ttcattttca | gtacaatggc | tttttatttg | 540 |
| gattaatgct | actctccatt | gcacgattat | ttcacaaaag | gcatatggaa | ggagcatttc | 600 |
| tctttgctgg | tctcctacat | ttcaagcata | tctacctcta | tgtagcacca | gcttatgggg | 660 |
| gatatctgct | gcgatccctac | tgtttcactg | caaataaacc | agatgggtct | attcgatgga | 720 |
| agagtttcag | ctttgttcgt | gttatttccc | tgggactggg | tgttttctta | gtttctgctc | 780 |
| tttcattggg | tcctttcctg | gccttgaatc | agctgcctca | agtcttttcc | cgactctttc | 840 |
| ctttcaagag | gggcctctgt | catgcatatt | gggctccaaa | cttctgggct | ttgtacaatg | 900 |
| ctttggacaa | agtgtgtctt | gtcatcggtt | tgaaattgaa | atttcttgat | cccaacaata | 960 |
| ttcccaaggc | ctcaatgaca | agtggtttgg | ttcagcagtt | ccaacacaca | gtccttccct | 1020 |
| cagtgactcc | cttggaacc | ctcatctgca | cactgattgc | catattgccc | tctattttct | 1080 |
| gtctttgggt | taaaccccaa | gggccagag | gctttctccg | atgtctaact | ctttgtgcct | 1140 |
| tgagctcctt | tatgtttggg | tggcatgttc | atgaaaaagc | catacttcta | gcaattctcc | 1200 |
| caatgagcct | tttgtctgtg | ggaaaagcag | gagacgcttc | gatttttctg | attctgacca | 1260 |
| caacaggaca | ttattccctc | tttcctctgc | tcttcactgc | accagaactt | cccattaaaa | 1320 |
| tcttactcat | gttactattc | accatatata | gtatttcgtc | actgaagact | ttattcagaa | 1380 |
| aagaaaaacc | tctttttaat | tggatggaaa | ctttctacct | gcttggcctg | gggcctctgg | 1440 |
| aagtctgctg | tgaatttgta | ttccctttca | cctcctggaa | ggtgaagtac | cccttcattc | 1500 |
| ctttgttact | aacctcagt | tattgtgcag | taggcatcac | atatgcttgg | ttcaaactgt | 1560 |
| atgtttcagt | attgattgac | tctgctattg | gcaagacaaa | gaaacaatga | ataaaggaga | 1620 |
| ctgcttagat | gtgtgccaag | caattatttc | atgggaaatt | aaccagaact | tgaagaaagt | 1680 |
| tgccagtggc | atcagccatt | tgtttcagta | gaactgttca | gagcaccgtt | cttccacact | 1740 |
| tggctctgcc | cagcctagca | accggatttt | caccatgggt | agaagccgcc | aacttttttt | 1800 |
| ttttggcgtg | tacacaggca | gatgggtgtac | tgtccccatt | ctgtacacct | tgttccagat | 1860 |
| ttttttgtt | tgaattata | cagtgacaat | actcacaaag | ccaaggggag | tagttaaggt | 1920 |
| ataattt | | | | | | 1927 |

<210> 7599
 <211> 4697
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)...(1404)
 <223> similar to gi4240235 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7599

| | | | | | | |
|-------------|------------|-------------|--------------|-------------|-------------|------|
| cgacgcacgcg | cgcgatggcg | cgggcggggac | agtgccttgctg | aaactgaaca | caacaaaagt | 60 |
| atggatatgg | gaaaccaaca | tccttctatt | agtaggcttc | aggaaatcca | aaaggaagta | 120 |
| aaaagtgtag | aacagcaagt | tatcggtctc | agtggctctgt | cagatgacaa | gaattacaag | 180 |
| aaactggaga | ggattctaac | aaaacagctt | tttgaaatag | actctgtaga | tactgaagga | 240 |
| aaaggagata | ttcagcaagc | taggaagcgg | gcagcacagg | agacagaacg | tccttctcaa | 300 |
| gagttggagc | agaatgcaaa | ccaccacac | cggattgaaa | tacagaacat | ttttgaggaa | 360 |
| gcccagtcgc | tcgtgagaga | gaaaattgtg | ccattttata | atggaggcaa | ctgcgtaact | 420 |
| gatgagtttg | aagaaggcat | ccaagatata | attctgaggc | tgacacatgt | taaaactgga | 480 |
| ggaaaaatct | ccttgcgga | agcaaggat | cacacttta | ccaaaatctg | tgcggtgcaa | 540 |
| gagataatcg | aagactgcat | gaaaaagcag | ccttccctgc | cgtttccga | ggatgcacat | 600 |
| ccttccgttg | ccaaaatcaa | cttcgtgatg | tgtgagggtga | acaaggcccg | aggggtcctg | 660 |
| attgcacttc | tgatgggtgt | gaacaacaat | gagacctgca | ggcacttata | ctgtgtgctc | 720 |
| tcggggctga | tcgctgacct | ggatgctcta | gatgtgtgcg | gccggacaga | aatcagaaat | 780 |
| tatcggaggg | aggtagtaga | agatatcaac | aaattattga | aatatctgga | tttgaagag | 840 |
| gaagcagaca | caactaaagc | atttgacctg | agacagaatc | attccatttt | aaaaatagaa | 900 |
| aaggtcctca | agagaatgag | agaaataaaa | aatgaacttc | tccaagcaca | aaacccttct | 960 |
| gaattgtacc | tgagctccaa | aacagaattg | cagggtttta | ttggacagtt | ggatgaggta | 1020 |
| agtcttgaaa | aaaaccctcg | catccgggaa | gccaggagaa | gagcagtgat | cgagggtgcaa | 1080 |
| actctgatca | catatattga | cttgaaggag | gcccttgaga | aaagaaagct | gtttgcttgt | 1140 |
| gaggagcacc | catcccataa | agccgtctgg | aacgtccttg | gaaacttgtc | tgagatccag | 1200 |
| ggagaagtgc | tttcatttga | tggaaatcga | accgataaga | actacatccg | gctggaagag | 1260 |
| ctgctcacca | agcagctgct | atccctggat | gctgttgatc | cgcaggggaga | agagaagtgt | 1320 |
| aaggctgcc | ggaaacaagc | tgtgaggctt | gocgagaata | ttctcagcta | tctcgacctg | 1380 |
| aaatctgatg | aatgggagta | ctgaaatacc | agagatctca | cttttgatac | tgttttgcac | 1440 |
| ttcatatgtg | cttctatgta | tagagagctt | tcagttcatt | gatttatacg | tgcatatttc | 1500 |
| agtctcagta | tttatgattg | aagcaaattc | tattcagtat | ctgctgcttt | tgatgttgca | 1560 |
| agacaaatat | cattacagca | cgttaacttt | tccattcgga | tcattatctg | tatgatgtgg | 1620 |
| tgtggtttgt | ttggtttgtc | cttttttttg | cgtttttaat | cagaaaacga | aatagaggca | 1680 |
| gctttttag | attttaaatg | ggttgtgcaa | gcattaaaat | gcaggctctt | cagaatctag | 1740 |
| aactaggcat | aaccttacat | aatactagga | aaattatgag | aaaggggaaa | tttttggtta | 1800 |
| aataagagta | aggttcaaac | acaagcagta | catgttctgt | ttcattatgc | tcgatagaag | 1860 |
| gctttttttt | cacttataag | gcctgattgg | tccatcccag | cttaacgggg | tggggttttt | 1920 |
| ttggtttgtc | agacagctcg | ttcttttgta | aacattttta | gttggaaaaa | cagcatctgc | 1980 |
| attttcccca | tcctctacgt | tttagagagg | aatcttgttt | ttgtgtgcaa | cataagaaaa | 2040 |
| ttatgaaaa | taatagccaa | aaaacctttg | agattgcatt | aaagagaagg | gataaaggac | 2100 |
| cagcaataat | accttgtaag | ttgcttttgt | ttgtaaaatc | tgagcttata | gttttcctta | 2160 |
| gtgagtaaat | tcataaggat | gggaacattt | aaattaagtt | aatgggcctt | taaaaaaaaa | 2220 |
| aaaaggaaac | actcatacct | gtagttggag | gatgaatact | ggagacgggt | taccaatgtc | 2280 |
| aggttatact | aaaactaaat | cagaaagtct | gaatgtagca | cataatgggt | ctcttctgtt | 2340 |
| gtccaaggct | gtaaaatgga | cagccttgct | acacctcccc | ggtgctgttt | tacaacgtga | 2400 |
| gggtagacgc | tgtcagtaac | ccagagggac | caggccttcc | taggttttct | aggcagtcag | 2460 |
| ctgttaacca | ctcacttagt | aaatgtcata | actacacctg | ctccaggacc | aatcagtgaa | 2520 |
| acctgctcgg | aattaaaggc | ttcctctggg | tgctgtctga | acaactgagc | tcagtgtcatg | 2580 |
| ggcatgtggt | ggtttctctg | ttgcctgaaa | gagccattaa | agtcagtcgt | gcgtgaagca | 2640 |
| tctctcttct | aaaggatgtg | tatttccata | aatgctttct | gaggatccgg | tacaaaatga | 2700 |
| tttcccaaag | ttctgaagtg | ccttgagaac | atgtgggtcc | gagtgttata | acagactcct | 2760 |
| ccccggggtc | accttttgcc | tggtcatcct | gttagagtac | atctttggaa | atccagggtta | 2820 |

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|------|
| atattctctt | tcagagatgc | tcattgtgta | actctgtgta | gggagatagt | cactttaaac | 2880 |
| agctcaaagt | agctagctaa | aggagtagcc | ttaaatacct | aaaagatgac | agaagcatag | 2940 |
| cccttaacaa | atcttcagct | tgtctctcag | tatttcccaa | tcattgaaaat | cccttgctat | 3000 |
| gtctttccta | ctagaaatgt | tctagaatcg | ctggacggtg | gggtcagagg | gcagtcggta | 3060 |
| tttaggccgt | gagcttccca | tactactgca | gggtccaactc | ctggcaaccg | cgggctcaag | 3120 |
| gcaggtcatt | ggaatccacg | ttttggccac | agtagttgta | ggattgcttt | tctgtatcat | 3180 |
| aatttttagaa | tgctcttaaa | atcttgagga | agagttttta | ttttttatatt | atttttgaga | 3240 |
| tggagtctct | gttgcccagg | ctgcagtgca | gtggtgccat | ctcagctcac | tgcaacctcc | 3300 |
| acctcccagg | ttcaagcgat | tctcctgcct | cagccacctg | agtagctggg | agtacaggca | 3360 |
| tgtggcacca | tgcttggtca | atttttgtat | ttttaataga | gttgagattt | caccatgatg | 3420 |
| gtcaggctgg | tctcgaactc | ctgacctcgt | gatccgcccc | cctcggcccc | ccaaagtgct | 3480 |
| gggattaacg | ggtgtgagcc | acggcgccca | gccaggaag | agttttttaa | ttagagctct | 3540 |
| gtttaattat | accactggga | aatcatgggt | acgcttcagg | catattcttc | cccagagtac | 3600 |
| tacttacatt | ttaaatttca | ttttgtaaag | ttaaatgtca | gcattccctt | taaaagtgtc | 3660 |
| cattgttctt | tgaaagtaga | cgtttcagtc | attcttttca | aacaagtgtt | tgtgtacctt | 3720 |
| ttgccaaagt | gtgggcatcg | tgtgtgagta | cagggtgctc | agctcttcca | ccgtcatattt | 3780 |
| gaattgttca | catgggtaat | tggtcatgga | aatgatcaga | ttgaccttga | ttgactgtca | 3840 |
| ggcatggctt | tgtttctggg | ttcaatctgt | tctcgttcc | tgtaccggat | tattctactc | 3900 |
| ctgcaatgaa | ccctgttgac | accggattta | gctcttgctg | gccttcgtgg | ggagctgttt | 3960 |
| gtgttaatat | gagctactgc | atgtaattct | taaactgggc | ttgtcacatt | gtattgtatt | 4020 |
| tttgtgatct | gtaatgaaaa | gaatctgtac | tgcaagtaaa | acctactccc | caaaaatgtg | 4080 |
| tggctttggg | tctgcattaa | acgctgtagt | ccatgttcat | gccaaaaatg | gctgggaacg | 4140 |
| tttgctttat | ttacattcag | tcagcgttgc | tttcagatca | cactttatcc | acacaggaaa | 4200 |
| gccagtcagc | ctataatgaa | gtagtattta | aaataaatgt | aatgaatatg | tctacaaagt | 4260 |
| atagtttagt | ggtttatattt | gctaaaatgc | acatatattt | gatataattt | agtttgagaa | 4320 |
| gttcagctag | tttttctcct | ttgtttgact | ttgtcaattt | ctatctgggt | tttaagggtc | 4380 |
| tgagcttagc | ttgtgcatgc | aagggttttg | gtttttttat | tttttttttg | agcacagctt | 4440 |
| ttcaccgttt | taatttggtg | ggtatttttc | tcttaataag | agaaatattg | gccatccgat | 4500 |
| ttttacatat | aatacaaagt | gtgtttttcc | aagtacattg | gttctctgtc | cctccctgtg | 4560 |
| aaactgggtt | tgaagtattg | gaacaagtaa | tgtccttcaa | taattcaatg | ttactttgag | 4620 |
| atacatgtgt | taatataccc | ttagttattc | ttgaaataaa | accagtctct | tacgcttgca | 4680 |
| gtggaaaaaa | aaaaaaa | | | | | 4697 |

<210> 7600

<211> 1065

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (965)...(272)

<223> similar to gi780263 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7600

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | ttagagtcaa | gatcttttat | ttcctgattt | taaaaatcgt | caccatcata | 60 |
| gacctcctgg | cttctcttgt | atctgtgttc | taatggctcc | cagcagtgcc | ttcacacagc | 120 |
| ccctttattc | cccttcttgt | gcctgcccat | gagcctgagt | gtgacagatc | aattagcttt | 180 |
| gtccctccaa | actgtgggag | caggactaga | ctcttctggc | aggcagagag | ctcctcctcg | 240 |
| gccagtgttc | gagcctggtc | caccactcct | cagttcttct | tgctcttggc | ttttgtggcc | 300 |

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|------|
| ttggcatcca | gcgtgctctg | ggcatgagtg | aggtgcttca | cagcatcaag | cacaaggact | 360 |
| ccaggcagca | ccagccacag | ggcattcatg | aagacaaagt | aaaaccagaa | gtagagaggg | 420 |
| tggcccagct | ctccgtgctg | gaatccgtcg | cgggtgctctg | tcaggaagta | gagcacatcc | 480 |
| ccatagatct | ggcccacaga | gaccacaagc | tgtagaatga | agcggagggg | atgctggcgg | 540 |
| agaaaggcga | tcaccaccca | caggctgagt | ggccccaca | ggcaagctgt | gatggtttcc | 600 |
| atgcacactg | tgaagttgtc | accaggatg | tatcggtctg | ctcccttggc | atactctttc | 660 |
| cagagttgag | ataagaaggc | ttggtctcca | agcaggtctt | cgtagtagag | aacgaaccag | 720 |
| ccctcgatca | ccaggtgaat | gaaccacac | actgcaaacc | agcacaggga | cagtcgccgc | 780 |
| caagtcccca | atgggacaac | cgcagcacga | cctgacaaca | gccatgtggt | cacgactaag | 840 |
| accctgtga | cagagaagag | gccagccagt | atatgccagg | tggggcggtc | attaggtaca | 900 |
| aagttgtcca | gtcttaggtg | ctgaggccag | tatgggtgca | aggggcccg | gttggtagtc | 960 |
| atgtctttgt | gggctgatgg | caaggcgcgc | gacggcagcg | gcctcccacg | ctggctccgg | 1020 |
| gctctcttta | ggctgggtct | cgcgccggac | gcgtgggtcg | acccg | | 1065 |

<210> 7601

<211> 3395

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3225)...(1402)

<223> similar to gi603953 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7601

| | | | | | | |
|------------|-------------|------------|-------------|------------|------------|------|
| tttttttttt | ttaaaaaatat | gtttatcttt | aatgatccaa | gattctgcaa | gacacactga | 60 |
| tatacccaga | attgggtggg | aaatacagca | tctcagcagt | gctactgcca | gcctgggggt | 120 |
| ggggagctgg | atgctggctg | aaggaccccc | atggtgaagt | cgattccaac | ctcacgggag | 180 |
| cctcagtgcc | ctatctccat | ggaaaccagc | ctgggcactg | ggatggggcc | ctagggagcc | 240 |
| tgccatgaaa | catctctgat | aggtatttcc | ccattaaaaa | caaccacag | gtgcccaccc | 300 |
| ccaccccaaa | gctacttgcc | cagctcccc | tcctctctgt | gtttgtcggg | ccaaggataa | 360 |
| agggaaatgg | gggagttgac | cactttaacg | gacaaaacaa | aagcagattt | gttacctcct | 420 |
| atttagggga | aggaaaaagg | gagggggaaa | gggtagtaag | ggagctgcac | ttcaagctca | 480 |
| gaattctgcc | aagaccctag | agcggctatg | gcagacagcg | gtgcatgact | gccagagggc | 540 |
| agcgtaccc | aaacccttg | aggtaccctt | tgttactgct | ggggccctg | ctgctgtggg | 600 |
| ggaaagacgg | gtcttcaagg | ctgcttcctg | ccatctagcg | ctgccaatg | tttggaccaa | 660 |
| aaggggatgg | cacctaggat | ggctctacaa | ctccatactc | aagtacgaaa | agagggctcc | 720 |
| caggatctca | atgtggtatc | agggatgaga | gtttgcccaa | actccctcct | tcccaccctg | 780 |
| ctggactgtc | agagctctgg | gctaggaaga | actccaggga | aggccaggat | gagtggggga | 840 |
| aggagacaag | aaaatggtct | ccaatttggc | atcaaaacag | agtaagttca | aagaaacaaa | 900 |
| accttgattt | ttttatagca | ggttctcctg | gccagctcat | gacagcaggt | ctccaccac | 960 |
| tcagggatgg | cccaataaaa | agttgggcaa | agcaagggca | tggctaccct | cagggcagtg | 1020 |
| catggaactc | agaaaagtga | gtctacagga | tgcaggagag | aacagcagag | cccacagctc | 1080 |
| tgccactctg | atatgtcctc | catcagtcct | acgtgcccta | ggcactgacc | tcatacctgc | 1140 |
| ctcaggagca | gcttccttca | ggctgagtc | tggcagggga | aagttcccag | gcaggtgtcc | 1200 |
| cagaaggaac | atgagtgttc | tctgcagggc | cctgcctgag | ctcttcaggg | gatggagagg | 1260 |
| aggccaccca | ctcctcatgc | cagagtgcaa | tgctccccag | tcccttttca | agagggggaa | 1320 |
| gaagccagca | ctgtggggccc | caggtggccc | catctcagga | atgacagggc | attctgcagg | 1380 |
| ggtggcacat | tctgaggctc | ttaggccctg | tgcactctgga | tgaaggagag | gacgtcctcc | 1440 |

| | | | | | | |
|-------------|-------------|------------|------------|------------|------------|------|
| ttggacagct | tgtcctgggc | ctggggcttc | tgggagtc | gcacacgaat | gcatccccc | 1500 |
| cactcccaga | agagccggcc | atagtagcaa | atgtgaaatg | gggcaatgga | gtctgcaggg | 1560 |
| agggtcaaaag | tagagtcctt | ggttttcttg | ttgtagaaga | acttcttctt | gaagcttttg | 1620 |
| ctgaatccca | tagtccaggg | ctcattcact | gtcctgacga | tgtagaggcc | catgggtaca | 1680 |
| aagtgcgggt | catcacgccc | tgtgtagctg | agctttgggg | tgccactgga | gcccttgatg | 1740 |
| atcttcatct | ccaacctgac | aaaaatcttc | tccatctctt | ccagtctgta | cacctccttc | 1800 |
| accctgatgg | gattcatgtc | gggtcgacta | ggcttgga | cggtttcac | aaatttctcg | 1860 |
| gcaagctgaa | ttcgctgggt | aaagtgtgc | tccgaacgt | cggtgccatt | cagcacaagg | 1920 |
| acatcgagga | tgtggatggc | actgatcttc | ctctgggcct | tccctcccc | tttcagctca | 1980 |
| tgcacaattt | ccacagatag | cagagtgtcc | cggggcagct | ctgtcttcag | gtctagcttg | 2040 |
| atccagcggg | ctgactggcg | gccatcccat | gtgtagatct | gggatttccc | caggccgatg | 2100 |
| aggaactttt | gctcactgcc | agataccatg | cagcggtagt | caaacacagg | gcggatcttc | 2160 |
| tccaggggtt | tagaggtgag | cagtgtgggc | ttgtagctga | agatgtcaat | ctcagtgtcc | 2220 |
| tggattagct | caaagaactt | cgatttaggg | tggagggaag | aaggagccac | acgagcctgg | 2280 |
| tctgggatcc | cccagagtcg | gaggcactcc | tccgtatct | ctgcctgtcg | aggctcactc | 2340 |
| agtgtcgtgt | cttgaacaaa | ggcatggatt | ttcgccagag | ctttgatctg | cagactacag | 2400 |
| tggctctcat | tggaccgtat | catgtagtca | gtaaattcat | ggtctccctt | gatcacctcc | 2460 |
| agggggacca | ccaagttgac | gtcggaatcc | gtgttcgca | gctgattgag | tttaatatcc | 2520 |
| actgcgaaga | ggtaatcccg | aacatcatct | atgccacct | tcaggccctt | gcacaccaca | 2580 |
| tacctctctg | agttggcagg | acggctggta | ataggcttga | agagacaaac | tcgttcaaag | 2640 |
| cagcagtaca | gcaggtagac | aagccccaca | ctaaacggtg | tgaacaggtc | aaaggtttta | 2700 |
| cagatgaagt | ggcctcctgt | ccggacaatg | gacagcgcca | tgaggaactg | acacagaagc | 2760 |
| agctgcttgc | taggatcttc | ctgcaggttc | tctgcccct | ccaccgagaa | acccccatca | 2820 |
| gccatcagaa | aatggacacc | cttgcgatct | gtgttatcca | ggacaaaatt | ccgaaaagca | 2880 |
| gagatgttct | ctgggcgggt | gatatctcca | tctccatcaa | tcccaccctc | accatagtag | 2940 |
| ggttcgaaga | gttcaactgga | agcagagtag | aagtcctcca | gcttgaagtc | attagggccc | 3000 |
| ttcaaagtca | ttccaaagcc | ctttgcatgc | cacttcttcc | tccacagcac | atactctgag | 3060 |
| aagccacctg | ggcctgcgca | gacatcagca | aagtacagaa | gctcagcttc | ccggtccttc | 3120 |
| accagtggct | tcccataaga | gtcccgcgga | tttgtgaaca | tgcgatcaaa | tacaaaatcc | 3180 |
| atgttagcca | tcttcattgc | tgcctgtttt | agaaagaaga | ctcctcgat | catctcatag | 3240 |
| ggattggccc | gagtcgagc | tgcgcgcatc | tcttccccat | ccaagacatc | aaacacgctc | 3300 |
| ttacactgca | acacactgtg | aagcagctct | tccccacaaa | actctgtttc | atcttcaata | 3360 |
| atcatctttc | tctttccac | caccatccaa | tgcgt | | | 3395 |

<210> 7602

<211> 1665

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1666)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (94)...(1665)

<223> similar to gil546902 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters


```

<400> 7602
gggcagggaa tctggcttga ttggcgtgct gagacgcacc tggcgcaacc ctcccttctg      60
aatcgaagtt caagtcccgc ggacactgca accatgaagg agagacgggc cccccagcca      120
gtcgtggcca gatgtaagct cgttctgggc ggggacgtgc agtgtgggaa gaccgcgatg      180
ttgcaagtgt tagcgaagga ttgctatcca gagacctatg tgcccaccgt gttcgaaaat      240
tacacagcct gtttgagac agaggaacag aggggtggagc ttagtctctg ggatacctca      300
ggatctccct actacgataa tgtccgtcca ctctgtaca gcgactcgga tgcagtatta      360
ctatgttttg acatcagccg tccagagaca gtggacagcg cactcaagaa gtggaggaca      420
gaaatcctag attattgtcc cagcaccgcg gttttgctca ttggctgcaa gacagacctg      480
cgaacagacc tgagtactct gatggagctg tcccaccaga agcaggcgcc catctcctat      540
gagcagggtt gtgcaatagc aaagcagctg ggtccagaaa tctacctgga aggctcagct      600
ttcacctcag aaaagagcat ccacagcatc tttcggacgg catccatgct gtgtctgaac      660
aagcctagcc cactgccccca gaagagccct gtccgaagcc tctccaaacg actgctccac      720
ctccccagtc gctctgaact catctctcct accttcaaga aggaaaaggc caaaagctgt      780
tccattatgt gaagtggaaa ttggaggggg gagacaaccc cctacttctt cccttggggg      840
gcagaggcac ggggagaggg aggatgagac aatttaggac actggacatg agtttttcag      900
atggccacgg tgagggtctg gaaggagaca ggaatggggc gaggaaggag ccaggcccgg      960
catgaggacc tgacgtctgag agagagccat catacccaa gccaggcact agattttgga     1020
gggggcgact accccagtcg ccccccgct ccagaggaag gaaagctgtg ggggacgggg     1080
ggcatgctgg cctcatgggc ttgggggcat acagcagcct caccttcagc ttcatgcctc     1140
ttccacacag cgtttccatg caggtcaggg gatgggaggg gtccctgagc ccttcccttc     1200
ccctctaagg aggagcaac ggcagagtgg ggaagtggag cggcagctcc cttggggggc     1260
tttagcccca ggtgccttcc gtaactgcaa ttcggaagtg caggagctgg tcagagccca     1320
atgagaagga aacctcatcc ttgcatagc ccnatgccc tccatggaga ggtgacatca     1380
tacattcaca tgcttctcac ctaagtcccc cagggtccaa gggagaagcc ccagaccccc     1440
ttctcttgca gagtgtgggg gtggtggtgc tgcaggggca gggctgggtg ggggtcacca     1500
gactttttct gcccttaggg tagtacagct ggcatttggt ttatagactc ttgtctttgg     1560
aattgggggg aggggggggag tgtttcaatc tgttatatgt tctgtgttta atgaagaaaa     1620
cctattttatt aatgaaaaat ataatacata taaagaaaaa aaaaaa                    1665

```

```

<210> 7603
<211> 621
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(622)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (121)...(382)
<223> similar to gi3878951 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7603
tcccgatatt cccgggtcga cgatttcgtc gccgagccca gctccgccgc cgagcgcctg      60
tgccggcacg gctacaccat ggagcgcccg gataaggcgg cgctgaacgc actgcagcct      120
cctgagttca gaaatgaaag ctcatagca tctacactga agacgctcct gttcttcaca      180

```

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| gctttaatga | tcactgttcc | tattgggtta | tatttcacaa | ctaaatctta | catatttgaa | 240 |
| ggcgcccttg | ggatgtccaa | tagggacagc | tatttttacg | ctgctattgt | tgcagtggtc | 300 |
| gccgtccatg | tgggtctggc | cctctttgtg | tatgtggcct | ggaatgaagg | ctcacgacag | 360 |
| tggcgtgaag | gcaaacagga | ttaaagtga | catcaccttt | ttatagcatt | aaattcattt | 420 |
| tttaaaatga | taaatgctgg | agggggccat | ctgatttgaa | taaagttgaa | agaacatggt | 480 |
| aaagtcagtc | ttaaggagtc | acgtttgagt | atgtaaattt | tgatctttct | aatatgttgg | 540 |
| ttgnaaaatc | agttttaact | gtatgaatct | ganttgcnat | gagaattgga | aagtagtacn | 600 |
| agaataggtg | attaatggcc | a | | | | 621 |

<210> 7604

<211> 6012

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (510)...(4248)

<223> similar to gi2887437 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7604

| | | | | | | |
|-------------|------------|-------------|------------|------------|-------------|------|
| gagggcgggg | aagaggcgtg | acgggagattc | ctgaggtgta | gtagcctgag | gttcccttat | 60 |
| gtggccctat | agctgttact | gaaggaagta | gcctacgtcc | acgcctacaa | ctgaagtctc | 120 |
| ttgacaaaca | cctcaccct | gcctccggga | tgaaggggg | taacctagac | ctgaatgggc | 180 |
| ttgaccatct | cacaactgct | cgcgtgacga | ccgcattcgt | ggcaggtaag | aagattgctg | 240 |
| tatcaactca | agaaagcagt | aacttcactg | tctttgtatt | ttgaattgca | acaacaactt | 300 |
| tgatatcaac | aatgaagcaa | tgatatctaa | gaacaaaaga | gtatttgcca | acagtcatca | 360 |
| taatatacaag | tgattgtata | agcagaaaaca | agctgtcaca | gacctgtgcg | tcagctaata | 420 |
| tatggagaat | gctttcttct | gatactatct | acttagaggc | agttttaata | taaatacattt | 480 |
| caattatctc | tacatcaaat | aaaataaaaa | tgagtgaagc | ccccagattc | ttcgttggac | 540 |
| cagaagatac | agaaataaat | cctggaaatt | atcgacattt | cttccaccat | gcagatgaag | 600 |
| acgatgagga | ggaagatgat | tctccaccag | aaaggcagat | tgtggttgga | atatgttcca | 660 |
| tggcaaaaga | atcccaaatc | ccaaacccaa | tgaaggaaat | tcttgaacgg | atctccttat | 720 |
| ttaaatatat | cacattagta | gtatttgaag | aggaggttat | tttgaatgaa | ccagtggaaa | 780 |
| actggccttt | atgtgattgt | cttatttctt | tccattctaa | aggatttcca | ctggacaaag | 840 |
| cggttgccta | tgcaaaactc | aggaatccat | ttgtaatcaa | tgacttgaat | atgcagtatc | 900 |
| tcatacaaga | taggagagaa | gtatatagta | ttcttcaagc | tgaaggattt | ttacttcttc | 960 |
| gttatgctat | tttgaaccgt | gacccaaata | atcccaaaga | atgtaatctg | attgaagggg | 1020 |
| aagatcatgt | agaagtaaat | ggggaagtgt | ttcaaaagcc | attttagtaa | aagccagtca | 1080 |
| gtgcagaaga | tcacaatgtt | tacatttatt | acccaacttc | tgctggtggt | ggaagtcaaa | 1140 |
| gactctttag | aaagattggc | agtagaagta | gtgtttatct | tccagaaagc | aatgtacgaa | 1200 |
| aaacaggctc | atatatatat | gaagagttta | tgccacagaa | tggtactgat | gttaagggtt | 1260 |
| atacagtggg | tccagattat | gcccagctgt | aagctcgaaa | atctccagca | cttgatggca | 1320 |
| aggtggaacg | agacagtga | ggaaaagaag | taagataccc | tgttattctc | aatgcacgag | 1380 |
| agaaattaat | tgcttggaag | gtctgccttg | cttttaagca | aacagtttgt | ggctttgatt | 1440 |
| tgttacgggc | caatggacag | tcctatgtct | gtgatgtcaa | tggtctcagt | tttgtgaaaa | 1500 |
| attccatgaa | gtattatgat | gactgtgcaa | aaataacttg | aaatattgta | atgcgagaac | 1560 |
| ttgctccaca | atttcatatt | ccatggtcaa | tacccttaga | agctgaagat | atcccaattg | 1620 |
| taccaactac | atctggaact | atgatggaac | ttagatgtgt | catagctgtt | atacgtcatg | 1680 |
| gggatcgaac | accaaacaac | aaaatgaaaa | tggaaagtga | acatcagaaa | ttttttgatc | 1740 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| tttttgaaaa | gtgtgatgga | tataaatcag | ggaaattaaa | actcaaaaaa | ccaaaacagt | 1800 |
| tacaggaagt | gctagatatt | gcacgacagc | ttcttatgga | gctagggcaa | aataatgatt | 1860 |
| ctgaaattga | agaaaaaag | ccaaaacttg | aacaacttaa | gactgtatta | gagatgtatg | 1920 |
| gtcatttttc | tggataaat | cgtaagggtc | agttgacctt | tctccctcat | ggttgtccta | 1980 |
| aaacatctag | tgaagaggag | gacagccgaa | gagaagaacc | atctttactt | ttgggttctaa | 2040 |
| aatggggagg | tgaattaaact | cctgcaggca | gggtccaggc | tgaagaactt | ggaagagcct | 2100 |
| tcaggtgtat | gtatcctgga | ggtcaaggag | attatgcagg | atttctctgt | tgtgggtttac | 2160 |
| ttagattaca | tagcacctac | agacatgacc | tcaaaatata | tgctctctgat | gaaggacgag | 2220 |
| tccagatgac | tgacgtgct | tttgcaaagg | ggcttttagc | tttggaagga | gagcttacac | 2280 |
| ccattcttgt | tcaaatggtg | aaaagtgcac | atatgaacgg | tcttttggtg | agtgatagt | 2340 |
| actctctgag | cagttgtcag | caacgtgtga | aggcaaggct | tcatgaaata | cttcagaaaag | 2400 |
| acagagattt | tactgctgaa | gattatgaaa | agcttactcc | atctggaagc | atttctctta | 2460 |
| tcaaatcaat | gcatttaatt | aaaaaccctg | tgaagacctg | tgataaaagt | tattccttaa | 2520 |
| ttcagagttt | gacttctcaa | atcagacatc | gaatggaaga | tctaaatca | tcagatattc | 2580 |
| agctttacca | tagtgaaaca | ttggagctta | tgctacgtag | atgggtccaa | ttagagaaaag | 2640 |
| actttaaaac | aaagaatgga | agatatgata | ttagtaaaat | ccctgacata | tatgactgta | 2700 |
| taaaatatga | tgtccagcat | aatgggttcc | ttgaaattag | gaaaacacaa | tgggaattat | 2760 |
| ataggctttc | gaaggcatta | gcagatattg | ttatccctca | ggaatatggt | ataactaaag | 2820 |
| ctgaaaaaact | ggagattgcc | aaaggctact | gtactcctct | ggtagaaaa | attcgtctag | 2880 |
| accttcagag | gacacaagat | gatgacactg | taataaaact | tcatcctgtg | tattctagag | 2940 |
| gtgttctgtc | tcctgaacgt | catgttcgta | ctagattata | ttttaccagt | gaaagtcatg | 3000 |
| tacattcttt | gctgtctatt | cttcgctatg | gtgccttatg | caatgaatca | aaggatgaac | 3060 |
| agtggaaaag | agctatggat | tatttaaacc | ttgtcaatga | gctcaactac | atgactcaga | 3120 |
| ttgttatcat | gctttatgag | gacctaata | aggatctttc | ctcagaagaa | cgctttcatg | 3180 |
| ttgaattaca | ctttagtccg | ggagccaaag | gttgtgaaga | agacaaaaat | ttgccatctg | 3240 |
| gctatggata | tagaccagct | tccagagaga | atgaaggcag | gagacctttt | aaaattgata | 3300 |
| atgatgatga | accacatact | tctaaaagag | atgaagttga | tcgagctgtg | atattgttta | 3360 |
| aaccaatggt | atcagagcca | attcatatac | acaggaagtc | tccacttcca | agatctagga | 3420 |
| agacggctac | aatgatgaa | gagagccccc | tgagtgtgtc | tagcccagag | ggtagtggt | 3480 |
| cctggctgca | ttataccagt | ggtgtgggt | ctgggcgtcg | aagacgcaga | tcaggggaac | 3540 |
| aaatcacttc | ttcccctgtc | ttccccaaat | cattggcttt | cacatccagt | atttttggct | 3600 |
| catggcaaca | ggttgtatct | gaaaatgcta | attacctgcg | aacaccaaga | actcttgtgg | 3660 |
| aacagaagca | gaatcctact | gtaggggtct | actgtgcggg | cctgttttagc | acctcggtgc | 3720 |
| tcgggggttc | ttcaagcgca | cctaacctac | aggattatgc | tcgtactcat | cgtaaaaagc | 3780 |
| tgacctcttc | tggctgcata | gatgacgcca | cacgcgggtc | tgctgttaaa | aggttttata | 3840 |
| tctccttgc | tcgacacca | accaatggct | ttgaattgta | ttccatgggt | ccatctattt | 3900 |
| gtcctctaga | aactcttcat | aatgcccctat | ctttaaagca | agtggatgaa | tttcttgcct | 3960 |
| ccattgcttc | tccatcatct | gacgttccac | ggaagaccgc | tgaaatttcc | tctacagctt | 4020 |
| tacgttccag | tccaataatg | agaaaaaaag | tatctttaa | tacgtataca | cctgcaaaag | 4080 |
| tctcccaac | accaccagct | accttaaaga | gcactaaagc | aagcagcaaa | ccagctacaa | 4140 |
| gtggaccttc | tagtgacgtt | gttccctaata | cctcatctcg | gaaaaagaat | ataactagca | 4200 |
| aaacagaaac | gcatgaacac | aaaaaaaaaca | ctgggaaaaa | gaaatgaaat | cttagcagaa | 4260 |
| gctggaactt | tttatactta | taaaaatagt | atgttcttat | gtttctcctt | atgcatttat | 4320 |
| gtgttcactt | aaaaatgttt | ttaaatctaa | ggttttcttt | gtttatgttc | aggtaaggaa | 4380 |
| ctgttgtcat | gatctggaaa | tgttttaaac | aatgtttgtt | agcattctgt | gagcagcaaa | 4440 |
| acttatagt | ataaaaaatc | attgttggtt | atatgatgtt | taccatgtgc | acatagtaat | 4500 |
| gaaaaggaac | ataaaagccc | agcaggctcg | taccaaagtc | acagcagtaa | tgctatgtac | 4560 |
| tgacaggtct | gatgagctgg | cctttgtgca | cacttttatt | ttcatgggat | tgcatcttag | 4620 |
| ctgttaaaac | ttctagattg | aaatttgaca | gccagggtta | catattgggg | acttttaaag | 4680 |
| tgtctttcca | aagagatttc | attaaccgtt | tagattagaa | tatctttccc | aattgttaca | 4740 |
| gtgacatata | tgctgcaata | tttaacaact | ggagtattag | ccacatgggt | tattttttca | 4800 |
| atctgtgttt | tgaatttttt | tattgtgtgt | tattttaa | attacatatg | cagctgggag | 4860 |
| aactacacct | ttgtgcacat | agattttatat | attaatttgt | agaaaaatatt | ttctttatat | 4920 |
| atttctttac | catacaaggt | gccttggtca | tcaggaaaaac | ttttgttttg | tattttgaca | 4980 |
| agaaaggcac | cttcagagtt | tctttttaag | tatagttgac | aagtgtataa | atgttacact | 5040 |
| tactttcaga | gttcttttta | gatctaaaga | agtcagttca | aaaatggaaa | tcaacaatgt | 5100 |
| taggagaaat | ctgaattctg | ttaagttagt | aagtattatg | tatagcatct | gttttttaacc | 5160 |

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|------|
| atgccatcc | ttatccctag | tgtatcagtt | gatcacacta | agaaagctta | aagattgagc | 5220 |
| atgtgaaata | aatgctcttt | ataaatgatt | agatttttga | agggatattg | aatcattgc | 5280 |
| gctgtgattt | catctgtgat | gtgaaaaatc | aatttattat | ccttggtgct | ttcccccca | 5340 |
| ccaatgcaca | aataattgtg | aacagcttga | aatgacttaa | actgtaatcc | aatgggaca | 5400 |
| atctgataag | aatttcatgc | attggtagtt | aaataactta | aattgctaaa | gctttagctt | 5460 |
| gaaatttatg | tttagaaaaa | ctattgattt | cccatgggtat | gaatataact | attgtaattc | 5520 |
| ttcaaagtag | actcttctca | ccttaaatag | tcatatatta | attaacttat | aggaaataag | 5580 |
| catactatat | gttagctgtt | ttaaaaggta | ccagatgtaa | gagtcataaa | tatatgcaat | 5640 |
| taaagaagtt | catagatttc | acatgaatgt | aaatgtgtta | tatggagaca | tgtcttgtaa | 5700 |
| acagttgaat | gtatgtaagt | tttctgtttg | tgaaaatgta | gttaatgtac | tcactgtgga | 5760 |
| ggtcataagg | aagctacttt | ttttttaaag | tggaaacctaa | ttaaaatatt | tccagaatca | 5820 |
| aaaaaaaaaa | aagggggggg | ccgtttaaaa | gaacccttgg | ggggcccaag | tttaacgggg | 5880 |
| gatggaaagg | taaaattttt | tcccttatgg | ggggccaaat | aaaacccaac | ttggaaattt | 5940 |
| tggaaaagaa | ccttactttg | gggggggaaa | catatggggc | caccctcctt | acaaaattta | 6000 |
| aaggttttag | gg | | | | | 6012 |

<210> 7605

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (198)...(514)

<223> similar to gi3714150 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7605

| | | | | | | |
|------------|------------|------------|------------|-------------|--------------|-----|
| ggcacgagca | ggaatgtctg | aggtggcaac | acttctcttc | agccagacag | cactggccag | 60 |
| tttgaggtct | gtccatcctg | caggccacaa | gctctggatg | aggaacttga | ggcaagtcac | 120 |
| cagccctga | tcatttcgcc | taaaagagca | aggactagag | ttcctgacct | ccaggccagt | 180 |
| ccctgatccc | tgacctaatg | ttatcgcgga | atgatgatat | atgtatctac | gggggcctgg | 240 |
| ggctgggcgg | gctcctgctt | ctggcagtg | tccttctgtc | cgctgcctg | tgttggtgctgc | 300 |
| atcgaagagt | aaagaggctg | gagaggagct | ggcaccttct | gtcctgggtcc | caggcccagg | 360 |
| gctcctcaga | gcaggaactc | cactatgcat | ctctgcagag | gctgccagt | cccagcagt | 420 |
| agggacctga | cctcaggggc | agagacaaga | gaggcaccaa | ggaggatcca | agagctgact | 480 |
| atgctgcat | tgctgagaac | aaaccacct | gagcacccca | gacaccttcc | tcaaccagg | 540 |
| cgggtggaca | gggtccccct | gtggtccagc | cagtaaaaac | catggtcccc | ccacttctgt | 600 |
| gtctcagtc | tctcagtcga | tctcgagcct | ccgttcaaat | tgatcatcat | caaaacttat | 660 |
| gtggcttttt | gacctttgaa | tagggaattt | tttaaatatt | ttaaaaatta | aaataaaaaa | 720 |
| aacacatggc | tcacccttcc | acccaaaaaa | aaaa | | | 754 |

<210> 7606

<211> 2065

<212> DNA

<213> Homo sapiens

```

<220>
<221> misc_feature
<222> (57)...(712)
<223> similar to gi3005742 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7606
gccgctgatac ggccgctcgga atccccgcgg cgacccacgc gtccgcccac gcgtccgagc      60
ggcgggggggc agtgtcgcct cgggtctaggg acggcgggcg agtcgggtgg ccctgcgcga      120
tggccacctc ggtgtttgtgc tgcctgcggt gctgcagaga cggggggact ggccacatcc      180
ctctgaagga gatgccggcc gtgcagctgg acacgcagca catgggaaca gatgttgta      240
ttgtaaagaa tggaagaaga atatgtggaa caggagggtg tttagccagc gcacctttac      300
atcaaaacaa aagctatttt gaattcaaaa tccagtccac aggaatctgg ggtattggtg      360
ttgcaactca gaaggttaac ttgaatcaga ttcctcttgg ccgagatatg cacagtctgg      420
tgatgagaaa tgatggagcc ctttaccaca acaatgaaga gaaaaatagg ctgccagcaa      480
acagtcttcc gcaggaagga gatgtggtgg gtattactta tgaccatgtc gaattaaatg      540
tatacttgaa tggaaaaaac atgcattgtc cagcatcagg tatacgaggg acagtgtatc      600
cagttgttta tgttgatgac agtgcaattt tggattgcca gttcagttag ttttatcata      660
cgctccacc tggttttgaa aaaaatattt ttgaacagca aatcttctga atgtatttgc      720
tgttcaaact tgtatttctg cactgttaaa aaatgttcat catttaataa aactttacct      780
ggcctataga tgaaaatata ttcttaaaaa tatgcttggt gatgctgtct aaggaaccaa      840
tgtattcagt ataccaccct gaagttgtga tttaaaatac tttatgtttt gtgaaatgaa      900
aataagcatt tgggcagttt atttaattct tatttaaata aatagaatta tgggtttaat      960
taacagtata acatgactat atatacatat atatttaaag ggaattcttt cttacataat     1020
atatttgttt tgatagagat gtaaagtgtg gtgtgtgttt ttgtcactct gaagtttaga     1080
cctcattaaa tatttgacat ctacagttgg ataattttgc cgcttagtgt ctttttttat     1140
atacaatata acaaaagtga agaaatttat attactggca atttcatttt tggcagtcta     1200
tttctgtatc atgtaccgct tttcttaaaa cttaaattgc ttattttgtt gtgtaatgtc     1260
attgcttttg atttgctttg tgaaaggaga taaacgtttc agtaattgtc agagcatttt     1320
gttgctcag gctgtgttac ctcaatttca gagtaagtag tggttgatta gtaatgtagt     1380
atacactggc agacatctag aatagtatga tgctttacat ttaaagagg ttattctttt     1440
aaggactttt atttgatatg tttctgtaag gaataataaa ataattgtaa ttaaggaata     1500
taccatacta tattaaacac attcttccta tttgttagt tatacactaa attcacatca     1560
cccgtgatta tttcagttca gagataagt aatcctcttc atgaccctga gtctttgcct     1620
gggtcttaag aatcactgtc ctttagttaa cgccctgtga cctgaaccaa tcactctata     1680
catctttaga tacgttgtct gttttcaaat gagcatggca aggatgcata catttccctc     1740
ctttatcaac tagaaacagt acattgttca ggaaaacatg agtgtttaga ttagaaacag     1800
atccaaattg tagttttgct gctcatccta ttttctctc tccaagtctc agattcccat     1860
ttataaaagg agcaatcata ctgacataag attctatgat taaataaggt aatacgtata     1920
taacacctta ataatcatag gcacttgcgc caggcgcggt ggctcacgcc tgtgatcccg     1980
gcactttggg aggctgaggg gggaggatca cgaggtcagg agatcgagac catcgtggct     2040
aacatgggtga aaccctggct ctact                                     2065

```

```

<210> 7607
<211> 982
<212> DNA
<213> Homo sapiens

```

```

<220>

```

```

<221> misc_feature
<222> (1)...(983)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (909)...(323)
<223> similar to gi5531811 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7607
tttttttttt tttgtggaaa acaacacctt atttattcag ggtgtaatac tgtctacttc      60
ctttcagaag acttgaaaaa gatcaaaata ggataaatgg acagttacta ctaaacgatt      120
caaatacttg ggcagtatct ttccctctta accctttcac acgtttttaa agtgtcaaaa      180
ttgatgaatg gtataaatc aaaaggaaaa ttcttttcta ctgaaaagga catccagctc      240
gcacaaacgg tggttcagct gaaggcaagg cgtttctggt ttctctctgc actcgggcgg      300
atcgtttaact tccccaagtt acaactgagt tgctctttcc aggccttttcg aagcatcttt      360
aagtttcccc accaagtcct gtaattgttc catgctgcaa ctaaaactaa tctctggata      420
ggatggggaa tcagtgttct gtacacttaa ggtcaccaa tatgcaggtc tgtacatcct      480
atgaagttga ttggtcttta tctgatattc caagcgccaa gaaacatccg ttatatgagg      540
gagagatctg cctatacttc ccagtaggat ttctagggaa ttcttattat tctgatattc      600
cgtgcaaaac agttctattc gctctctgtc aaatttacag tcttctagat aagtgccttag      660
agttgacttg tcagctcggg gctttctctgc ctctagtagt taagttgcag ctgctgcattg      720
acaatgtttt aaaaccactg ggtcgatatg tttcaagtct ggatgatcta acacggcctc      780
gtccgcctgg gcgtccagca gactctggaa tgccgcccgg aggagaagcg tgaaggcggt      840
ggagtcgaag gagcggggat ccgccagcat ctggaagcct ttctgcacag actccgagag      900
ctccattgtg agcgcgccgt cggacgcgtg ggtcgnccgg ggatttcang gccgtctatc      960
gcatggtcca atttnacaca cc                                          982

```

```

<210> 7608
<211> 1329
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (60)...(576)
<223> similar to gill42716 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7608
ccctggtcgg cgggcgagct cgagcagcca acccggggcg cgtcggggcc atggacggcc      60
tgaggcagcg cgtgggagcac ttcttgagc aaaggaacct ggtcaccgaa gtgctggggg      120
cgctggaggc caagaccggg gtggagaagc ggtatctggc tgcaggagcc gtcactctgc      180
taagcctgta tctgctgttc ggctacggag cgtctctgct gtgcaatctc atcggatttg      240
tgtaccccg atagcctca atcaaagcta tcgagagccc aagcaaggac gacgacactg      300
tgtggctcac ctactgggtg gtgtacgccc tgtttggtg ggccgagttc ttcagcgatc      360

```

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|------|
| tactcctgtc | ctgggttccct | ttctactacg | tgggcaagtg | cgccttcctg | ttgtttctgca | 420 |
| tggctcccag | gccctggaac | ggggctctca | tgctgtatca | gcgcgtcgtg | cgtccgctgt | 480 |
| tcctaaggca | ccacggggcc | gtagacagaa | tcatgaacga | cctcagcggg | cgagccctgg | 540 |
| acgcggcggc | cggaataacc | aggaacgtca | agccaagcca | gaccccgcag | ccgaaggaca | 600 |
| agtgaagcag | ccccctgagc | ctcacaagga | cctcctggct | ggtgaggagg | gggccgcgcc | 660 |
| aggctcccag | gcctccacag | agtcttcagc | gcacccccca | acagcagccc | ctgccagtcc | 720 |
| ctcgggtcca | ggcaaggccc | tgggggtctc | cttaaattgcc | acctcgggca | agtcccagtc | 780 |
| ccagtccctg | gccacccccca | gctctggatc | ccaggggccag | ctgccctctg | gctctggctg | 840 |
| tggctcccgc | ctgtccggca | gggcccaggg | ccagcgtcgg | gcacagggca | gctcccactg | 900 |
| gtctcggcaa | cacaccacagc | cgcctggtac | ttcctccagc | ccctcccagt | cagccctccc | 960 |
| gtcctcgggg | cccctgcagc | cacccaacgt | cacctccagc | ccggtctcac | ccatgggtcca | 1020 |
| gtctcccagc | agcagcaaca | tccccagcag | ccccccagca | agtcctctgg | caagccggag | 1080 |
| gacgcaaccc | ccaagaccag | cggacagcgc | cagaaggaat | cgtcgaaaca | gcctgccagc | 1140 |
| agcgccctcag | tgcccagagct | ggccccctgc | cattccggga | cctctctgga | gtacacttctg | 1200 |
| gagtcacca | ccgagatcac | ctgcagctgg | ccacaccaca | ggcccccgctg | cctgcagcac | 1260 |
| tactggtgcc | tgaaacacct | ggcctgctag | gaggctccaa | taaagctaac | ccggaccaga | 1320 |
| aaaaaaaa | | | | | | 1329 |

<210> 7609

<211> 4586

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (915)...(3680)

<223> similar to gi5834564 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7609

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| gcgcgggggc | ggagaaatgt | tttgtaactt | tactggcctg | cttcctggcc | aagcagcaga | 60 |
| acaaatacaa | atatgaagag | tgcaaagacc | tcataaaatc | tatgctgagg | aatgagctac | 120 |
| agttcaagga | ggagaagctt | gcagagcagc | tgaagcaagc | tgaggagctc | aggcaatata | 180 |
| aagtccctggt | tcactctcag | gaacgagagc | tgaccaggtt | aaggggagaag | ttacgggaag | 240 |
| ggagagatgc | ctcccgtctc | ttgaatgagc | atctccaggc | cctcctcact | ccggatgagc | 300 |
| cggacaagtc | ccaggggcag | gacctccaag | aacagctggc | tgaggggtgt | agactggcac | 360 |
| agcaccttgt | ccaaaagctc | agcccagaaa | atgataacga | tgacgatgaa | gatgttcaag | 420 |
| ttgaggtggc | tgagaaagtg | cagaaatcgt | cttccccccag | ggagatgcag | aaggctgaag | 480 |
| aaaaggaagt | ccctgaggac | tcactggagg | aatgtgccat | cacttggttca | aatagccatg | 540 |
| gcccttgtga | ctccaaccag | cctcacaaga | acatcaaaat | cacattttgag | gaagacgaag | 600 |
| tcaactcaac | tctggttgta | gacagagaat | cctctcatga | tgaatgtcag | gatgctctaa | 660 |
| acattctccc | agtccctggc | cccacctctt | ctgccacaaa | cgtcagcatg | gtgggtatcag | 720 |
| ccggcccttt | gtccggcgag | aaggcagcga | taaacattct | agaaatcaat | gagaaattgc | 780 |
| gccccagct | ggcagagaag | aaacagcagt | tcagaaacct | caaagagaaa | tgttttctaa | 840 |
| ctcaactggc | ctgcttccctg | gccaaaccagc | agaacaaata | caaatatgaa | gagtgc aaag | 900 |
| acctcataaa | atztatgctg | aggaatgagc | gacagttcaa | ggaggagaag | cttgccagagc | 960 |
| agctcaagca | agctgaggag | ctcaggcaat | ataaagtcct | ggttcactct | caggaacgag | 1020 |
| agctgaccca | gttaagggag | aagttacggg | aaggggagaga | tgccctccgc | tcattgaatg | 1080 |
| agcatctcca | ggccctcctc | actccggatg | agccggacaa | gtcccagggg | caggacctcc | 1140 |
| agaacagct | ggctgagggg | tgtagactgg | cacagcacct | tgtccaaaag | ctcagcccag | 1200 |

| | | | | | | |
|------------|------------|-------------|-------------|-------------|-------------|------|
| aaaatgacaa | cgatgacgat | gaagatgttc | aagttgaggt | ggctgagaaa | gtgcagaaat | 1260 |
| cgtctgcccc | cagggagatg | ccgaaggctg | aagaaaagga | agtccttgag | gactcactgg | 1320 |
| aggaatgtgc | catcacttgt | tcaaatagcc | atggccctta | tgactccaac | cagccacata | 1380 |
| ggaaaaccaa | aatcacattt | gaggaagaca | aagtcgactc | aactctcatt | ggctcatcct | 1440 |
| ctcatgttga | atgggaggat | gctgtacaca | ttattccaga | aaatgaaagt | gatgatgagg | 1500 |
| aagaggaaga | aaaaggacca | gtgtctccca | ggaatctgca | ggagtctgaa | gaggaggaag | 1560 |
| tccccagga | gtcctgggat | gaaggttatt | cgactctctc | aattcctcct | gaaatgttgg | 1620 |
| cctcgtacaa | gtcttacagc | agcacatttc | actcattaga | ggaacagcaa | gtctgcatgg | 1680 |
| ctgttgacat | aggcagacat | cggtgggatc | aagtgaaaaa | ggaggaccac | gaggcaacag | 1740 |
| gtcccaggct | cagcagagag | ctgctggatg | agaaagggcc | tgaagtcttg | caggactcac | 1800 |
| tggatagatg | ttattcaact | ccttcagggt | gtcttgaact | gactgactca | tgccagccct | 1860 |
| acagaagtgc | cttttacgta | ttggagcaac | agcgtgttgg | cttggctgtt | aacatggatg | 1920 |
| aaattgaaaa | gtaccaagaa | gtggaagaag | accaagaccc | atcatgcccc | aggctcagca | 1980 |
| gggagctgct | ggatgagaaa | gagcctgaag | tcttgacagga | ctcactgggt | agatgttatt | 2040 |
| cgactccttc | aggttatctt | gaactgcctg | acttaggcca | gccctacagc | agtgtctgtt | 2100 |
| actcattgga | ggaacagtac | cttggccttg | ctcttgacgt | ggacagaatt | aaaaaggacc | 2160 |
| agaagagga | agaagaccaa | ggcccacccat | gccccaggct | cagcagggag | ctgctggagg | 2220 |
| tagtagagcc | tgaagtcttg | caggactcac | tggatagatg | ttattcaact | ccttccagtt | 2280 |
| gtcttgaaca | gcttgaactc | tgccagccct | atggaagttc | cttttatgca | tggagggaaa | 2340 |
| agcatgttgg | cttttctctt | gacgtgggag | aaattgaaaa | gaaggggaag | gggaagaaaa | 2400 |
| gaaggggaag | aagatcaaag | aaggaaagaa | gaaggggaag | aaaagaaggg | gaagaagatc | 2460 |
| aaaaccacc | atgccccagg | ctcagcaggg | agctgctgga | tgagaaaggg | cctgaagtct | 2520 |
| tgcaggactc | actggataga | tgttattcaa | ctccttcagg | ttgtcttgaa | ctgactgact | 2580 |
| catgccagcc | ctacagaagt | gccttttaca | tattggagca | acagcgtgtt | ggcttggtctg | 2640 |
| ttgacatgga | tgaatttgaa | aagtaccaag | aagtggaaga | agaccaagac | ccatcatgcc | 2700 |
| ccaggctcag | cggggagctg | ttggatgaga | aagagcctga | agtcttgacg | gagtcaactg | 2760 |
| atagatgcta | ttcaactcct | tcaggttgct | ttgaactgac | tgactcatgc | cagccctaca | 2820 |
| gaagtgcctt | ttacatatgt | gagcaacagc | gtgttggtct | ggctgttgac | atggatgaaa | 2880 |
| ttgaaaagta | ccaagaagtg | gaagaagacc | aagaccctac | atgccccagg | ctcagcaggg | 2940 |
| agctgctgga | tgagaaagag | cctgaagtct | tgcaggactc | actgggtaga | tgttattcga | 3000 |
| ctccttcagg | ttatcttgaa | ctgcctgact | taggccagcc | ctacagcagt | gctgtttact | 3060 |
| cattggagga | acagtacctt | ggcttggctc | ttgacgtgga | cagaattaaa | aaggaccaag | 3120 |
| aagaggaaga | agaccaaggc | ccaccatgcc | ccaggctcag | cagggagctg | ctggaggtag | 3180 |
| tagagcctga | agtcttgacg | gactcactgg | atagatgtta | ttcaactcct | tccagttgtc | 3240 |
| ttgaacagcc | tgactcctgc | cagccctatg | gaagtccctt | ttatgcattg | gaggaaaaac | 3300 |
| atgttggctt | ttctcttgac | gtgggagaaa | ttgaaaagaa | ggggaagggg | aagaaaagaa | 3360 |
| ggggaagaag | atcaaagaag | gaaagaagaa | ggggaagaaa | agaaggggaa | gaagatcaaa | 3420 |
| accaccatg | ccccaggctc | aacagcatgc | tgatggaagt | ggaagagcct | gaagtcttgc | 3480 |
| aggactcact | ggatatatgt | tattcgactc | cgtcaatgta | ctttgaacta | cctgactcat | 3540 |
| tccagcacta | cagaagtgtg | ttttactcat | ttgaggaaga | gcatacagc | tccgcccctt | 3600 |
| acgtggacaa | taggtttttt | actttgacgg | tgacaagtct | ccacctgggtg | ttccagatgg | 3660 |
| gagtcatatt | cccacaataa | gcagccctta | ctaagccgag | aggtgtcatt | cctgcaggca | 3720 |
| ggacctatag | gcacgtgaag | atttgaatga | aagtacagtt | ccatttggaa | gcccagacat | 3780 |
| aggatgggtc | agtgggcatg | gctctattcc | tattctcaaa | ccatgccagt | ggcaacctgt | 3840 |
| gctcagtctg | aagacaatgg | accacgttta | ggtgtgacac | gttcacataa | ctgtgcagca | 3900 |
| catgccggga | gtgatcagtc | agacatttta | atttgaacca | cgtatctctg | ggtagctaca | 3960 |
| aaattcctca | gggatgtcat | tttgcaggca | tgtctctgag | cttctatacc | tgtcaaggt | 4020 |
| cattgtcatc | tttgtgttta | gctcatccaa | aggtgttacc | ctggtttcaa | tgaacctaac | 4080 |
| ctcattcttt | gtgtcttcag | tgttggcttg | ttttagctga | tccatctgta | acacaggagg | 4140 |
| gatccttggc | tgaggattgt | atttcagaac | caccaactgc | tcttgacaat | tgttaaccog | 4200 |
| ctaggctcct | ttggttagag | aagccacagt | ccttcagcct | ccaattgggtg | tcagtactta | 4260 |
| ggaagaccac | agctagatgg | acaaacagca | ttgggaggcc | ttagccctgc | tcctctcaat | 4320 |
| tccatcctgt | agagaacagg | agtcaggagc | cgctggcagg | agacagcatg | tcacccagga | 4380 |
| ctctgccggt | gcagaatatg | agcaatgcca | tgttcttgca | gaaaacgctt | aacctgagtt | 4440 |
| tcataggagg | taatcaccag | acaactgcag | aatgtagaac | actgagcagg | acaactgacc | 4500 |
| tgtctccttc | acatagtcca | tatcaccaca | aatcacacaa | caaaaaggag | aagagatatt | 4560 |
| ttcggttgaa | aaaaagtaaa | aagata | | | | 4586 |

<210> 7610
 <211> 2321
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (52)...(1398)
 <223> similar to gi4467809 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7610

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|------------|-------------|-------------|------------|-------------|-------------|------|
| tagaagcagg | caagttgggt | aacggctctc | ggcaaagttc | gagaagtgcc | tatggccatg | 60 |
| agtgaactgg | gcactcggaa | gccagcgat | ggcactgttt | ctcatctgct | caatgtgggtg | 120 |
| gagagtgagc | ttcaggcagg | gagggaaaaa | ggcgacccta | cggagaagca | acttcagatc | 180 |
| atcctggagg | atgcacctct | ctggcagaga | ttcaaggaag | tcactaatga | gatgattgtg | 240 |
| accaagaatg | gcagacggat | gtttccagtc | ctaaagatta | gtgtcacagg | gttggacccc | 300 |
| aatgccatgt | actccctcct | gctggacttt | gtccctacgg | acagtcaccg | ctggaagtac | 360 |
| gtcaacgggg | aatgggtgcc | cgctggcaag | ccagaggtct | ccagccacag | ctgcgtctac | 420 |
| attcaccggg | actcccccaa | ctttggggcc | cactggatga | aagctcccat | ctccttcagc | 480 |
| aaagtgaagc | tgaccaacaa | gctcaatgga | ggcgggcaga | taatgttgaa | ttctctgcat | 540 |
| aaatatgaac | cccaggttca | catagtgcgt | gttgggaagt | cccatcgaat | ggtaacaaac | 600 |
| tgctccttcc | ctgaaaccca | gttcatagcc | gtgactgcct | atcagaatga | ggagataacg | 660 |
| gctctcaaaa | tcaagtacaa | tcctttttgcc | aaagccttct | tggatgccaa | ggaaagaaat | 720 |
| cacctaagag | acgtaccgga | ggctatctct | gagagccagc | atgtgacctt | ttctcacttg | 780 |
| ggaggctgga | tctttttcaa | tccagatgga | gtgtgcacag | caggaaactc | caattaccag | 840 |
| tatgccgctc | ctctgcctct | gcctgctccc | cacacccacc | atggctgtga | gcactattcg | 900 |
| ggtctccgag | gacaccggca | ggctccctac | ccttctgcgt | acatgcacag | aaaccattct | 960 |
| ccctcagtga | atctgataga | aagctcaagc | aataatctgc | aagttttctc | gggacctgac | 1020 |
| agctggactt | ctttatctct | cacaccccat | gccagcatcc | tgtctgtacc | ccacaccaac | 1080 |
| ggaccaatca | atccagggcc | cagcccctac | cgtgacctgt | ggaccatcag | caatggtgcc | 1140 |
| ggaggcccca | gtggggccagg | cccggagggt | cacggccaga | ccccaggagc | atttctcctc | 1200 |
| ggaaaccagc | ctgtgacttc | accccttctc | gtgctctcca | cccaagcacc | cacttcgggt | 1260 |
| ggtgtggagg | ttctggggga | gccctcgcta | accagcattg | ctgtgtccac | ctggacagca | 1320 |
| gtggcctcgc | atcccttcgc | gggctggggg | ggcccaggag | cgggtgggca | ccattctcct | 1380 |
| tcctcactgg | atggttaagc | aggatcctag | gagcctcttt | gcacagcgat | ccttccatgt | 1440 |
| gtagagtgtc | tagaaacccc | atcaactgat | ctagtgaagc | agactgtgga | atctcccttc | 1500 |
| ccactagctg | gaggtggagg | tgggttatta | cagaagtcac | actgggagag | ggttcagttt | 1560 |
| ggatgatgtc | agttagatca | tttgcatctc | tccaccattt | tcttctgcac | tcccattttc | 1620 |
| tctgcagctt | attcttgcca | tgttaggtg | acagaagttt | gttaagtacc | atccttgtgc | 1680 |
| cctgcctctt | attctcaaat | cgttctggaa | agcctcactt | ccttttctgt | ggagaagggtg | 1740 |
| caaagctggt | aaatgagctc | agagtttacc | tagctaaggc | cactgcttcc | tgctttgtga | 1800 |
| agcctggaaa | gtatgtgtgg | ccacaggggt | caggttcaca | cttctgcttt | gagaccagga | 1860 |
| tggggtgtaa | gccatagagt | aaggtttaaca | aaaagaataa | agctaatacat | gtattacaaa | 1920 |
| cagcagtgtg | cccagacttg | tggaaatgaa | gtcatgtcac | tcctctgctc | agaaaccttc | 1980 |
| aatggttcac | cattaccagt | ggaatgaagt | caattctcct | cactataact | gggggtgtggt | 2040 |
| agtttaagcc | tataatctca | gcccttttgg | aggccaaggt | aagaggatcg | cttgagggtca | 2100 |
| ggagttcgag | accagcttgt | gcaacaaagt | gagagcctgt | ctctacaaaa | aatagtcattg | 2160 |
| cacacaaaat | tagctgggca | tgggtggcctg | tgcctatagt | cccaactact | tagaggagga | 2220 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| tcgcttgatc | tcaggaggtt | gaggctgcag | tgaattatga | ttgtggcatt | gcactccagc | 2280 |
| ctgggtggta | gatcaaggct | ttgtttcatt | tgaaaaaaaa | g | | 2321 |

<210> 7611

<211> 2276

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (134)...(2179)

<223> similar to gil780991 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7611

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| cagcccggcc | tacagtgcgg | acacaggaca | gaggggagcc | aggttctttg | cactgaccaa | 60 |
| tgctgagagc | agaccctcgg | agcagccggg | ttggaagtgt | ctctccacag | tcaccagaca | 120 |
| gatccaggat | aggatgggca | gcccagtgca | ccgagtgtca | ttgggggata | cctggagcag | 180 |
| gcaaatgcac | cccagacatag | agagcgagag | gtatatgcag | tcctttgacg | tggaacggct | 240 |
| caccaacatc | cttgatggag | gtgcccagaa | cactgcactc | cgcaggaaag | ttgagagcat | 300 |
| catccacagt | tacccggagt | ttagctgtaa | ggacaattat | ttcatgacct | agaatgagcg | 360 |
| ttataaggct | gccatgcgga | gggcattcca | catccggttg | atagctcggc | gcctgggttg | 420 |
| gttagaagat | ggtcgtgaat | taggctacgc | ttacagagcc | ctttctggag | acgtggcctt | 480 |
| aaatatacac | agagtcttcg | tgagagccct | caggagcctg | ggctcagagg | agcagattgc | 540 |
| caaatgggac | ccactctgca | aaaacatcca | gatcatcgca | acgtatgcac | agacagagtt | 600 |
| gggacatggg | acatatcttc | agggcctgga | gactgaagcc | acctatgacg | cagccaccca | 660 |
| ggagttttg | atacacagcc | ccacgctgac | tgccaccaa | tggtggcctg | gagacttggg | 720 |
| acggtcagcc | acccatgccc | tggtccaggc | ccagctgacg | tgctcaggag | ccaggcgggg | 780 |
| catgcacgct | tttattgtgc | caatccggag | tcttcaggac | cacacccac | tgccaggaat | 840 |
| catcattggg | gacatcggac | ccaagatgga | ctttgatcaa | acagacaatg | gcttcctgca | 900 |
| gctgaaccat | gtgcgggtcc | ccaggagaaa | catgctgagt | cgctttgcac | aggtcttgcc | 960 |
| agatggcacc | tacgtcaaac | tcggtacagc | acagagcaac | taccttccca | tggtgggtgg | 1020 |
| gcgggtggag | ctgctgtcag | gggagatcct | ccctatactg | cagaaggcct | gtgtcatcgc | 1080 |
| catgcgctac | tcggtcatcc | gcccgaatc | ccggctccgg | cccagtgacc | cagaggcaaa | 1140 |
| ggtcctggac | taccagacac | aacagcagaa | actctttcct | cagctggcca | tcagttatgc | 1200 |
| cttccatttc | ctggcagtc | gcctcttgga | gttcttccag | cactcctaca | ctgccattct | 1260 |
| gaaccaagac | ttcagcttcc | tgcttgagct | ccacgcactg | agcacgggca | tgaaggccat | 1320 |
| gatgtcagaa | ttctgcaccc | agggagctga | gatgtgccgc | agggcctgtg | gcggacatgg | 1380 |
| ctactcaaa | ctgagtgagg | tgccatcact | ggtcaccaa | ttgtcggcct | cctgtacct | 1440 |
| cgaggggtg | aacacagtgc | tctacctgca | ggtggccagg | ttcctggtga | agagctacct | 1500 |
| gcagactcag | atgtcccctg | gctccacgcc | acagagatct | ctctctccat | ctgtcgcata | 1560 |
| tctcaccgca | cctgacctgg | ccagggtgtcc | agcccagagg | gcagccgact | tcctctgccc | 1620 |
| ggagctctac | accacggcct | gggcacatgt | ggcagtaagg | ctcataaagg | actcagtgc | 1680 |
| gcattttac | accctgacgc | aatccggagc | tgaccagcac | gaggcttgg | accagaccac | 1740 |
| tgtcatacac | ctccaggctg | ctaagggtga | ctgctactat | gtcactgtga | agggttttac | 1800 |
| agaagctctg | gagaaactag | aaaatgaacc | agcgattcag | caggtgctca | agcgccctctg | 1860 |
| tgacctccat | gccatacatg | gaatcttgac | taactcgggt | gactttctcc | atgacgcctt | 1920 |
| cctgtctggg | gcccgaagtgg | acatggcaag | aacagcctac | ctggacctgc | tccgcctgat | 1980 |
| ccggaaggat | gccatcctgt | taactgatgc | ttttgacttc | accgatcagt | gtttaaattc | 2040 |
| agcacttggc | tggttatgatg | gaaacgtcta | cgaacgcctg | ttccagtggg | ctcagaagtc | 2100 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| accaaccaat | actcaggaga | accctgccta | tgaggaatat | ataagaccac | ttttacaaag | 2160 |
| ttggagatcc | aagctatgaa | ataaccaaca | gtattcaaga | agcaaccagc | accatcatgt | 2220 |
| gataatggta | ctatggcata | tatgcaacat | taaaatttta | aattagaaaa | aaaaaa | 2276 |

<210> 7612

<211> 1727

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (61)...(414)

<223> similar to gi208157 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7612

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| gcgggctccg | gggtcaccac | cctgggcgac | ccggaggtgg | cgctccgcc | ggccgcagct | 120 |
| ggagaggagc | gtgtcccaa | gccgggggag | caggacttga | gcaggcacgc | ggggtcaccg | 180 |
| ccgggcagcg | tggaggagcc | atctcctgga | ggagaaaact | cacctggtgg | cggaggctcc | 240 |
| ccttgtttgt | cctcccgag | cctggcgtgg | ggttctcttg | cggaagaga | gagtgcgcgc | 300 |
| ggagatagca | gtgtggaaac | gcgcgaggag | tcggagggca | cgggcggcca | gcgctcagcc | 360 |
| tgcgccatgg | gtggtcccgg | gaccaagagc | ggggagcctt | tgtgtcctcc | gttactgtgt | 420 |
| aatcaggaca | aagaaacctt | gactctgctc | attcaggtgc | ctcgatcca | gccgcaaagt | 480 |
| cttcaaggag | atttgaatcc | cctctggtac | aaattacgct | tctccgcaca | agacttagtt | 540 |
| tattccttct | ttttgcaatt | tgtctcagag | aataaattga | gtaccacaga | acctgtgatt | 600 |
| agcatttctt | caaacaatgc | agtgatagaa | ctggcaaaat | ctccagagag | ccatggacat | 660 |
| tggagagagt | ggtattatgg | tgtaaacaac | gattcttttg | aggaaagggt | atttgtcaat | 720 |
| gaagaaaatg | ttaatgagtt | tcttgaagag | gtcctgagct | ctccattcaa | acagtctatg | 780 |
| tccttgaccc | caccattaat | tgaagttctt | caagttactg | ataataagat | tcaaattaat | 840 |
| gcaaagttgc | aagaatgtag | taactctgat | cagctacaag | gaaaggagga | aagagtaaat | 900 |
| gaagaaagtc | atctaactga | aaaggaatat | atagaacatt | gtaacacccc | tacaactgat | 960 |
| tctgattcat | ctatagcagt | taaagcacta | caaatagata | gctttggttt | agttacatgc | 1020 |
| tttcaacaag | agtctcttga | tgtttctcaa | atgatacttg | gaaaatctca | gcaacctgag | 1080 |
| tcaaaaatgc | aatctgaatt | tataaaagaa | aaaagtgcct | cttgttcaaa | tgaggaaaaa | 1140 |
| ggtaacttaa | acgagtcagt | aataactgaa | gagaaagaaa | cagatggaga | tcacctatct | 1200 |
| tcattactga | acaaaactac | ggttcacaa | atacctggat | tcgacagcat | aaaagaaacc | 1260 |
| aatatgcagg | atggtagtgt | gcaggtcatt | aaagatcatg | tgaccaattg | tgcatcagc | 1320 |
| tttcagaatt | ctttgctata | tgatttggtg | taattctata | taatttttga | cttttaataa | 1380 |
| ttaagggttaa | aaaatacctg | tatctaaaat | tgattctgtt | aactgttgct | ttaaaactaa | 1440 |
| aggtattaaa | gtataaaaat | aaaatttgca | atttttttta | aaaaattgca | attttgattc | 1500 |
| tcatggggga | aattggagaa | aatttttttt | tttttgcttc | tggagttaa | agtttcctta | 1560 |
| tggagataag | ttttgtgatt | cctgtaatat | atgggtatgt | tttctatttg | agagttaaaa | 1620 |
| catttgagag | ttaaaacatt | tagttttaat | acaacctatg | tatatatact | tctgtgttaa | 1680 |
| tttttgcttt | gtcattaata | aaatttaaaa | atattcaaaa | aaaaaag | | 1727 |

<210> 7613
 <211> 1357
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1241)...(379)
 <223> similar to gi3218411 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7613

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|------|
| tttttttttt | ttaacattta | tataccaagt | ttattgagac | ctcctgagac | ttaaaccctg | 60 |
| tagaaaacag | atgaatcaaa | cccaggcccc | attctcggga | agctcacagt | gtgaaaatag | 120 |
| gtaactacaa | aaacacagcc | aataagtgt | ttgaaacaag | gaagaacata | aaaaagatgt | 180 |
| agtggttcgaa | aacctggaat | caaaaactaa | ccgcggagaa | aggtaggagg | atgttctaga | 240 |
| ctcccagaga | agagctgggg | aacatccaga | aaggctcttg | ctgccgacac | agccacatcc | 300 |
| cctaggtctc | tggagttcac | tgcaggctgg | cccattgcag | ggaggtgtag | accaccttac | 360 |
| catcaggctg | cggagaacag | aggagcaggg | tctttctgac | gctggttcca | aggcgcccag | 420 |
| cagcaaccag | gtcttgaggt | gggatggtgt | cctcgggggc | ccagcactga | gcatataaat | 480 |
| gggcgtggaa | gcggaggggg | tcaccaggat | agaccaggaa | gtcacctccg | aacttgccag | 540 |
| ccgcactgag | gaagaagcct | cgctcccaca | ggtctctgta | gatactgtag | cgcagctcgt | 600 |
| gggcagggcg | gccggcggtg | ggccagtctt | tagactggac | acgccagtcc | aggggcctgg | 660 |
| ccttgaccgg | tcgaggcctg | gcagtggcca | gctggacaag | gagagcagat | ctgggcaagg | 720 |
| gggctacccc | atttgagggg | cctgcttggg | aagacgaggg | gccagcttcc | tcctgctctc | 780 |
| ccgaagcctg | gccatcactg | gtctcatcct | ctttggcagc | ctggctcgag | ccggcctcct | 840 |
| ggcttgagct | ggcccctgaa | gcctgttcta | gtttctgctt | cttagcagcc | tggccctccg | 900 |
| taatcttctc | caggagctcc | tgacgacggg | tctcccgggc | ctcagctgcc | aaggcgctct | 960 |
| gctcctggaa | gctctcctct | tgctggcgct | tgaaggatgt | cagggccagg | ctgtggtgcc | 1020 |
| gagagtctgg | acgcggggcg | ctgaccagag | tcacggcgcc | gatctcggcc | aagagccgcg | 1080 |
| cctcttcggg | catcagcagc | agcgggaggc | ccaggcgcca | gttctggcgg | ggcccgcggg | 1140 |
| gcagggcgcc | taccgtgcgg | ccccccacac | ccaggcgctc | ccggagggcc | tgcaccgcct | 1200 |
| cggctcccca | caccagggag | cggccgttcg | ccacctccac | caccagcatc | ctcccccaatt | 1260 |
| gggagcgctc | agtccgcctc | cttgccctcc | ttcagaatgt | cccactgtcc | accgatagaa | 1320 |
| ccagcgagtc | acctcataaa | cagtaattcg | cagtcga | | | 1357 |

<210> 7614
 <211> 2003
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (186)...(1205)
 <223> similar to gi5410282 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7614
cacggggccgc agcgggcagtg acgtaggggtt ggcgcacgga tccgttgccg ctgcagctct 60
gcagtcggggc cgttccttcg ccgcgccag gggtagcggg gtagctgcgc agcgtcgcgc 120
gcgctaccgc acccaggttc ggcccgtagg cgtctggcag cccggcgcca tcttcacga 180
gcgccatggc cgcagcctgc gggccgggag cggccgggta ctgcttgctc ctcggttgc 240
at ttgtttct gctgaccgcg ggccctgcc tgggctggaa cgaccctgac agaattgtgc 300
tgcgggatgt aaaagctctt accctccact atgaccgcta taccacctcc cgcaggctgg 360
atcccatccc acagttgaaa tgtgttgag gcacagctgg ttgtgattct tatacccaa 420
aagtcataca gtgtcagaac aaaggctggg atgggtatga tgtacagtgg gaattgaaga 480
cggacttaga tattgcatac aaatttgaa aaactgtggg gagctgtgaa ggctatgagt 540
cctctgaaga ccagtatgta ctaagggtt cttgtggctt ggagtataat ttagattata 600
cagaacttgg cctgcagaaa ctgaaggagt ctggaaagca gcacggcttt gcctctttct 660
ctgattatta ttataagtgg tcctcgccg attcctgtaa catgagtggg ttgattacca 720
tcgtggtact ccttgggac gcctttgtag tctataagct gttcctgagt gacgggcagt 780
atttcctcc accgtactct gagtatcctc cttttccca ccgttaccag agattcacca 840
actcagcagg acctcctccc ccaggcttta agtctgagtt cacaggacca cagaatactg 900
gccatggtgc aacttctggg tttggcagtg cttttacagg acaacaagga tatgaaaatt 960
caggaccagg gttctggaca ggcttgggaa ctgggtgaa actaggatat ttgtttggca 1020
gcaatagagc ggcaacaccc ttctcagact cgtggtaacta cccgtcctat cctccctcct 1080
accctggcac gtggaatagg gcttactcac cccttcatgg aggctcgggc agctattcgg 1140
tatgttcaaa ctcagacacg aaaaccagaa ctgcatcagg atatggtggg accaggagac 1200
gataaagtag aaagtggag tcaaacactg gatgcagaaa ttttggattt ttcactactt 1260
tctctttaga aaaaaagtac tacctgttaa caattgggaa aaggggatat tcaaaagttc 1320
tgtggtgtta tgtccagtgt agctttttgt attctattat ttgaggctaa aagttgatgt 1380
gtgacaaaat acttatgtgt tgtatgtcag tgtaacatgc agatgtatat tgcagttttt 1440
gaaagtgatc attactgtgg aatgctaaaa atacattaat ttctaaaacc tgtgatgccc 1500
taagaagcat taagaatgaa ggtgtgttac taatagaaac taagtacaga aaatttcagt 1560
tttagtggtg ttagctgat gagttattac ctcatagaga ctataatatt ctatttggtg 1620
ttatattatt tgatgtttgc tttcttcaa acatttaaatt caagctttgg actaattatg 1680
ctaatttgtg agttctgac acttttgagc tctgaagctt tgaatcattc agtgggtggg 1740
atggccttct ggtaactgaa tattaccttc tgtaggaaaa ggtggaaaaat aagcatctag 1800
aagggtgttg tgaatgactc tgtgctggca aaaatgcttg aaacctctat atttctttcg 1860
ttcataagag gtaaaaggtca aatttttcaa caaagtctt ttaataacaa aagcatgcag 1920
ttctctgtga aatctcaaat attgttgtaa tagtctgttt caatcttaaa aagaatcaat 1980
aaaaacaaac aaggggaaaa aaa 2003

```

<210> 7615

<211> 1328

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (925)...(473)

<223> similar to gi913246 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7615

```

ggtagccaca tggcaaatgc atgtcaaagc actttgaaaa cagaaaatcc tattcaaatg 60
atagggtatta tttagaaaagc tggctttata aatgcatggt tttggcagct tcaattaaag 120

```

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|------|
| ttaggatcct | cctaagagaa | attatcattg | taccttcttt | tgtgaagtca | aagccttcaa | 180 |
| gacagtactc | aaaattcaat | aaataggttt | tactatgtag | atgaacaaag | ctttaaagtg | 240 |
| aataaggaca | gcagtgaagg | gcaagtcaag | gatagatact | tcacaagcca | actgaatgaa | 300 |
| gaccatggat | tcgttagctc | tgagccgttt | aacatttcat | attatactta | gcaggaatgt | 360 |
| atgacaatat | tactttgatt | ttttgctggt | cccgtttaat | tactgcatcc | agttgcttcc | 420 |
| ttttttcatt | ttcttcttgt | agttttcttt | gtagctgtat | cttttgatat | ttcatgtgat | 480 |
| ctacactctg | ctctagttca | ttagcacggt | tctcattttg | gattgacagt | gatgccagtt | 540 |
| tcttactatc | ttgttgcttc | ttctgtaaga | cctgaactct | cagctttgca | gcatccacct | 600 |
| ttttacgaaa | ctctttctgt | aattttacct | tcattgcaac | atcagaaaga | tctttgtttt | 660 |
| ccagctcctg | tagctgcttt | tgtgtttcag | ttagttcgac | ttttgcctgt | tctgcatcat | 720 |
| gctctagctt | tgttactttc | aaagtatact | gcttgcttac | agacttggca | tcgttacctg | 780 |
| tttttattaa | ttctttaatc | agatcttctc | tcactctgat | gttaactgta | agttctctca | 840 |
| ttttttgttt | ggcttcagta | agtatgcgtt | ctgaattctt | taatttttgc | aaattcaatt | 900 |
| cttgactctc | ctggagacaa | tcaatcttta | aatcttcatt | ctccgaatct | gacttttgtg | 960 |
| tttcactctg | agtatcactc | aattcaacaa | gggaacagag | tctggcttct | gaatccatga | 1020 |
| acgacttcta | catctagttc | cagattttctc | ttggccttct | gattcttcat | catcactgtt | 1080 |
| atcagaaaat | tggcagtgga | ggacctcatc | tcgttcttct | acgtgatcca | acagcatctg | 1140 |
| actttgtggt | cgaaatccag | caaatattcg | atccagagag | tacataggcg | gacttgtgtg | 1200 |
| gaccttgcaa | gtgattcccc | ctcctggaat | cttgtcttga | tgggatataa | atataatgcc | 1260 |
| ccaaatgagt | atcaaatggt | acagtatatg | gtctcttttc | agggatcctg | gcatatggcc | 1320 |
| cgtctcca | | | | | | 1328 |

<210> 7616

<211> 1297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (98)...(834)

<223> similar to gi50229 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7616

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tcagacaccg | tgctctcttg | cctgggagag | gggaagcaga | tctgaggaca | tctctgtgcc | 60 |
| aggccagaaa | ccgccacct | gcagttcctt | ctccgggatg | gacgtggggc | ccagctccct | 120 |
| gccccacctt | gggtgaagc | tgctgctgct | cctgctgctg | ctgccccca | ggggccaagc | 180 |
| caacacaggc | tgctacggga | tcccagggat | gcccggcctg | cccggggcac | caggggaagg | 240 |
| tgggtacgac | ggactgccgg | ggcccaaggg | ggagccagga | atcccagcca | ttcccgggat | 300 |
| ccgaggaccc | aaagggcaga | agggagaacc | cggcttacct | ggccatcctg | ggaaaaatgg | 360 |
| ccccatggga | ccccctggga | tgccaggggt | gcccggcccc | atgggcatcc | ctggagagcc | 420 |
| aggtgaggag | ggcagataca | agcagaaatt | ccagtcagtg | ttcacggtca | ctcggcagac | 480 |
| ccaccagccc | cctgcaccca | acagcctgat | cagattcaac | gcggtcctca | ccaacccgca | 540 |
| gggagattat | gacacgagca | ctggcaagtt | cacctgcaaa | gtccccggcc | tctactactt | 600 |
| tgtctaccac | gcgtcgcata | cagccaacct | gtgctgtgct | ctgtaccgca | gcggcgctca | 660 |
| agtggtcacc | ttctgtggcc | acacgtccaa | aaccaatcag | gtcaactcgg | gcgggtgtgt | 720 |
| gctgaggttg | caggtgggcg | aggaggtgtg | gctggctgtc | aatgactact | acgacatggt | 780 |
| gggcatccag | ggctctgaca | gcgtcttctc | cggcttctct | ctcttccccg | actagggcgg | 840 |
| gcagatgcgc | tcgagcccca | cgggccttcc | acctccctca | gcttctctga | tggacccacc | 900 |
| ttactggcca | gtctgcatcc | ttgcctagac | cattctcccc | accagatgga | cttctctctc | 960 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| agggagccca | ccctgaccca | ccccactgc | acccctccc | catgggttct | ctccttcctc | 1020 |
| tgaacttctt | taggagtcac | tgcttgtgtg | gttcctggga | cacttaacca | atgccttctg | 1080 |
| gtactgcat | tctttttttt | ttttttcaaa | gattgggagg | ggggggggaa | atatataaat | 1140 |
| aaatcatgaa | atcaaagtc | acccgggccc | aaattccaaa | atttataaat | cgaaaaccct | 1200 |
| gaaaaccccc | aaagagtact | cttaaagtg | gcaagggcc | ccatgtaatt | tcttttcttt | 1260 |
| aaaacagggt | tgggcctttt | tttataaaac | tatcccc | | | 1297 |

<210> 7617

<211> 940

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (820)...(282)

<223> similar to gi1872491 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7617

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | ttgcaaagac | cacagtgcct | tactttttgt | cttagcagag | gagataactt | 60 |
| gagggacagc | ccccaaggcg | ccaggtagcc | ttcaggggcg | ggcaggggtg | ggggaggtag | 120 |
| gagactcgga | ccggcagccc | tggtccagc | ttcatcatct | gtgtcttccc | tctctggcca | 180 |
| ggctcttcga | ggggatgcag | gaggctgggc | acggtgagct | ggcagggggc | ttggtcttcg | 240 |
| ggtgccccagc | aggttgtcag | ctcctgtttc | tgatggactc | acctgcaatg | attccggcat | 300 |
| aaccgggaca | gctgcctgca | cttgccactg | gtgaggatga | tgatgcctgt | gatgaacagc | 360 |
| acagctgcga | ccaacagccc | ccgtttccgg | aggggtgtgt | catcatagaa | gaaggggtca | 420 |
| tcctcatgaa | aaccagatgg | cttgagggtc | tgggggtctg | tctggacgtc | tgtgcttggg | 480 |
| gatggtctct | cagagagcgt | cgtggtgtca | tcagtgggat | gagctgcttt | ggtgctcttg | 540 |
| tgtgtctctg | gatctgtcac | tagaggccca | tccgttccct | ccagttgctg | ggtctgggtc | 600 |
| tggggttgtg | gtgtttcatc | agcaggccag | ggtgggggtg | gagaggtggg | ctggagtctc | 660 |
| gtgtagactg | catctggggc | tcgtgtcggg | acctgaatgt | ccatgatagt | tgcgtctgct | 720 |
| gaagaactgg | acgtggtatc | tttcaacgtc | tgctctctgg | tggggagaat | caggccaacg | 780 |
| atggtgagaa | accagagggc | accagagggc | gacatctgag | cccggcccgt | gggcagaggg | 840 |
| gcagcggatg | gaggtggcgc | gcgagaggga | cttacgtcgg | agctgggggt | cctaagccgg | 900 |
| cagcctcgtg | gagagaggga | cgcggcgggt | gctgctgcgt | | | 940 |

<210> 7618

<211> 1407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (75)...(1407)

<223> similar to gi5689415 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7618
cggacgcgtg ggaaatggca ttaccaaatt ccaaatacta cactcacagc gagcaaattgg 60
catgaccaaaa gtccaaatac tacactcacc tgctggggga cacgatcaca ctgcaggatt 120
tcaaaggttt ccgaggaggc ctggacgtga cccacggaca gacaggggtg gaatcagtgt 180
acacaacatt cggggacagg gagatcatgt ttcacgtttc cacaaagctg ccattttaccg 240
acggagacgc ccagcagctc cagagaaaga gacacattgg aaatgacatc gtggccatca 300
tcttccaaga ggaaaacacg ccgtttgtcc cagacatgat agcctccaat ttcttacatg 360
cctacatcgt cgtgcaggtc gagacccag gcacagagac cccatcctac aaggtctctg 420
tactgcgcg ggaagatgtg cccacctttg gtccacctct gcccagtcct cccgttttcc 480
agaagggccc ggaattcagg gagtttctgc tcaccaagct caccaatgcc gagaacgcct 540
gctgcaagtc ggacaagttt gcaaagctgg aggaccggac cagggctgcc ctctggaca 600
accttcacga tgagctccac gcccacacac aggccatgct gggactgggc ccagaggagg 660
acaagtttga gaatggaggc cacggggggt tcttgagtc ttttaagagg gccatccgcg 720
tacgcagcca ctccatggag accatggtgg gcggccagaa gaagtcgcac agtgggggca 780
tccctggcag cctcagcggg ggcatctccc acaacagcat ggaggtcacc aagaccacct 840
tctcgctcc agtgggtggc gcaacggtga agaaccagtc acggagtccc atcaagcgac 900
gctcggggct cttccccgc ctgcacacgg gctcagaagg ccagggcgac agccgggcac 960
gatgtgacag cacatccagc acaccaaga cccagatgg tggacactcc tctcaggaga 1020
taaagtctga gacctcatcc aatcccagct ctccggaaat ctgccccaac aaggagaagc 1080
ccttcatgaa gttgaaggaa aacggccgcg ccattctccg ctctctctcc agcaccagca 1140
gcgtcagcag cactgcaggg gagggcgagg ccattggagga gggcgacagt gggggcagcc 1200
agccgtccac gacctaccc ttcaagcagg aggtgtttgt ctacagcccg tccccgagca 1260
gcgagagccc cagcctgggg gcagctgcca cccgatcat catgagccgg agtcccacag 1320
atgccaaaag cagaaactcc ccgagatcga acctgaaatt ccgctttgac aagctcagcc 1380
atgccagctc tgggtcgggt cactaat 1407

```

<210> 7619

<211> 1329

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (104)...(926)

<223> similar to gi4680703 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7619
cgcacgggcg cgcgcagctg ttgacgcgct tcttagctgg tgcgcgccgg agcccaaatt 60
ccaagtggaa actgcaggcg cacgaggagg gaacgcgtgg agcatgaaaa ggcagggggc 120
ctcctctgag cgaaaacgag cgcggatacc gtccgggaag gccggagcag caaatggatt 180
tctcatggaa gtttgtgttg attcagtggg atcagctgtg aatgcagaaa gaggaggtgc 240
tgatcggatt gaattatgtt ctggtttatc agagggggga actacacca gcatgggtgt 300
ccttcaagta gtgaagcaga gtgttcagat cccagttttt gtgatgattc ggccacgggg 360
aggtgatttt ttgtattcag atcgtgaaat tgaggtgatg aaggctgaca ttcgtcttgc 420
caagctttat ggtgctgatg gtttggtttt tggggcattg actgaagatg gacacattga 480

```


| | | | | | | |
|------------|------------|------------|------------|-------------|------------|------|
| caaagagctg | tgtatgtccc | ttatggctat | ttgccgcct | ctgccagtca | ctttccaccg | 540 |
| agcctttgac | atgggttcag | atccaatggc | agctctggag | accctcttaa | ccttgggatt | 600 |
| tgaacgcgtg | ttgaccagt | gatgtgacag | ttcagcatta | gaagggtac | ccctaataaa | 660 |
| gcgactcatt | gagcaggcaa | aaggcaggat | tgtggtaatg | ccaggagggtg | gtataacaga | 720 |
| cagaaatcta | caaaggatcc | ttgaggggtc | aggtgctaca | gaattccact | gttctgctcg | 780 |
| gtctactaga | gactcgggaa | tgaagtttcg | aaattcatct | gttgccatgg | gagcctcact | 840 |
| ttcttgctca | gaatattccc | taaaggtaac | agatgtgacc | aaagtaagga | ctttgaatgc | 900 |
| tatcgcaaag | aacatcctgg | tgtagccaga | cctctctgag | agacatggat | atcacaggat | 960 |
| gaaggtagaa | ctataatctg | caattctcta | tgacacagct | ttaaccttct | tctctggcca | 1020 |
| ggacagtcgc | aatctttgtt | ttaagtttca | catggccatg | gagaatgtgc | ccaagaagaa | 1080 |
| aaagaatttg | aaacagagat | acagtcactt | cctttgctta | gtcttaccag | tgattgtcat | 1140 |
| catgggtaaa | gctggtctgt | gcttcttcca | tagacagaag | cttagtctgt | tttcagtggg | 1200 |
| attaattgat | gaactgggaa | aattttaact | gcatgggatg | aattcagagt | gtgacttaag | 1260 |
| ggtaatttca | aagcagtatt | ttgacttttc | atttgtaaaa | taaaaatttc | cactattaca | 1320 |
| aaaaaaaa | | | | | | 1329 |

<210> 7620

<211> 1999

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (387)...(1741)

<223> similar to gi5256830 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7620

| | | | | | | |
|-------------|------------|------------|-------------|-------------|-------------|------|
| acgcaattcc | cgggttgacc | cacgcgtgcg | gcgcgcccc | gcctgcgggg | ccgcccttca | 60 |
| gggcgcgcaa | ggtgcgagtc | tgtccagccg | gcagcacccc | aggccggatg | gacgcttggt | 120 |
| cctggatctg | tgccccgtga | gcgctcaacg | ccctgggtgtg | ttcactgacc | atgggtgctg | 180 |
| ggctgcggcg | ccgggcgggg | cacggcggga | cttttcggga | cctttcctgg | ggggagcctc | 240 |
| gctttccccg | cctccagcct | ccgcccggat | ggcaggcggg | cggggcccca | gtccaggcct | 300 |
| tgagaccag | aagggagcga | aggtttttgc | tgcgccaacg | cagtgaccga | aggctccgct | 360 |
| cacgcccggc | ctgatcctgc | ctgaagatgg | tgccactggg | ggctgtggta | tcaggggccc | 420 |
| gtgcccagct | ctttgcctgc | ctgctcaggc | tgggcactca | gcaggtcggc | ccccttcagc | 480 |
| tgcacaccgg | ggccagccat | gcggccagga | accattatga | ggtgctgggtg | ctgggtgggg | 540 |
| gcagtggcgg | aatcaccatg | gctgcccgc | tgaagaggaa | agtgggtgca | gagaatgtgg | 600 |
| ccattgttga | gccagtgag | agacatttct | accagccaat | ctggacactg | gtgggtgctg | 660 |
| gtgccaacaa | attgtcctca | tctggctgct | ccacggcaag | tgtgattcca | tctgggtgtag | 720 |
| aatggatcaa | agctagagtg | actgagttga | acccagacaa | gaactgcatt | cacacagatg | 780 |
| acgacgagaa | gatctcctac | cgatatctta | ttattgctct | cggaatccag | ctggactatg | 840 |
| agaagattaa | aggcctacct | gaaggtttcg | ctcatcccaa | aatagggtcg | aattattcag | 900 |
| ttaagactgt | agagaagaca | tggaaagctc | tgcaggactt | caaagagggc | aatgccatct | 960 |
| tcaccttccc | aaatactcca | gtgaagtgtg | ctggagcccc | tcagaagatc | atgtacttat | 1020 |
| cagaagccta | cttcaggaag | acagggaagc | gatccaaggc | caatatcatt | ttcaacactt | 1080 |
| ctcttgagac | cattttcggg | gttaagaagt | atgcagatga | cctgcaggag | atcatccagg | 1140 |
| agcgggaacct | cactgttaac | tacaagaaaa | acctcattga | agtccgagcc | gataaacaag | 1200 |
| aggctgtatt | tgagaacctg | gacaaaaccg | gagagaccca | agtgatttca | tatgaaatgc | 1260 |
| ttcatgtcac | acctccaatg | agcccaccag | atgtcctcaa | gaccagtcct | gtggctgatg | 1320 |

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|------|
| ctgctggttg | ggtggatgtg | gataaagaaa | ctctgcaaca | caggaggtac | ccaaatgtgt | 1380 |
| ttgggatttg | ggactgcacc | aaccttccta | cgtcaaagac | cgctgctgca | gtagctgccc | 1440 |
| agtcaggaat | acttgatagg | acaatttctg | taattatgaa | gaatcaaaca | ccaacaaaga | 1500 |
| agtatgatgg | ctacacatca | tgtccactgg | tgaccggcta | caaccgtgtg | attcttgctg | 1560 |
| agtttgacta | caaagcagag | ccgctagaaa | ccttccctct | tgatcaaagc | aaagagcgcc | 1620 |
| tttccatgta | tctcatgaaa | gctgacctga | tgcctttcct | gtattggaat | atgatgctaa | 1680 |
| ggggttactg | gggaggacca | gcgtttctgc | gcaagttggt | tcacttaggt | atgagttaag | 1740 |
| gatggctcag | cacttgctca | tcttggtatg | cttctggggc | aaaactgcag | tcactgaatg | 1800 |
| accaagagca | gcacgaagga | cttggaacct | atccttgtaa | agagttcctt | gatgggtaat | 1860 |
| ggtgacccaaa | tgcttccctt | ttcagtacct | ttgaacagca | accatgtggg | ctactcatga | 1920 |
| tgggcttgat | tctttgggaa | taataaaatg | aaataatact | tttattttct | gaataaaaagt | 1980 |
| ttgtcactga | aaaaaaaaaa | | | | | 1999 |

<210> 7621

<211> 5824

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (354)...(3004)

<223> similar to gi2224699 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7621

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| gcggcgggta | gggcaggcag | cagagggaag | gagaaagaaa | ggaaggaaga | gggcggggag | 120 |
| tcctcagagg | aggaggcggg | accggccggg | cacctcacct | ctcggcgggc | gcggcgggcg | 180 |
| cggcgggcgg | ggcgggcggc | cggggaggcg | gcgcgcggcc | ctgcccgcgg | tcttctcagc | 240 |
| gcagtcgggc | gcggaccgcg | tggctccggg | cagcggccaa | ggctactggg | gcggggagcag | 300 |
| tggggcgggc | ggcggcggga | gcggcagcgg | cggaggagga | ggaggctgga | gtgggcgcgg | 360 |
| aggcgaccgc | catggcggtt | ctcaaactcc | gtgaccagcc | atcactgggt | caagctatat | 420 |
| ttaacggaga | tcctgatgaa | gttcgagcac | taatatttaa | gaaagaagat | gttaactttc | 480 |
| aggacaatga | aaagcgaacc | ccattgcacg | ccgcagctta | ccttggagat | gcagaaatca | 540 |
| ttgaacttct | tattttatct | ggagctagag | ttaatgccaa | agacagcaaa | tggttgacac | 600 |
| ctttacacag | agcagttgca | tcttgtagtg | aggaagcagt | tcaggtaact | ttgaagcatt | 660 |
| ctgcagatgt | taatgctcga | gacaaaaatt | ggcaaaccct | tttacatata | gctgctgcta | 720 |
| ataaagctgt | aaagtgtgct | gaagcttttg | tacctcttct | gagtaatgta | aacgtatctg | 780 |
| atcgagcagg | gaggactgca | ttacatcatg | cagctttcag | tggacatggg | gagatgggtca | 840 |
| aactactctt | gtctagagggt | gccaatatta | atgcttttga | caagaaagat | aggcgtgcta | 900 |
| tccattgggc | agcatatatg | ggtcacattg | aagtagtgaa | attgcttggt | tcgcatggag | 960 |
| ctgaagtgac | atgcaaggat | aaaaagtctt | atacacctct | tcattgcagca | gcctctagtg | 1020 |
| gaatgatcag | cgtagtcaag | taccttctag | atcttgaggat | tgatatgaat | gaaccaaata | 1080 |
| cctatggaaa | tacacctctt | catgtagcct | gctataatgg | acaagatggt | gtagtgaatg | 1140 |
| aacttataga | ctgtggtgct | attgtgaatc | aaaagaatga | aaaaggattt | actcctttgc | 1200 |
| actttgctgc | tgcatcaaca | catggagcat | tgtgttttaga | gcttctagtt | ggcaatgggg | 1260 |
| ccgatgtcaa | tatgaagagt | aaagatggga | aaacccccact | acacatgact | gctctccacg | 1320 |
| gtagattctc | ccgatcacia | accattatcc | agagtggagc | tgtaatcgac | tgtgaggata | 1380 |
| agaatggaaa | tacccctttg | cacatagcag | cacggtatgg | ccatgagctg | ctgatcaaca | 1440 |
| ctcttattac | aagtgggtgct | gacactgcaa | agcgtggcat | acatggaatg | ttccccctcc | 1500 |

| | | | | | | |
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| atttggcagc | cttaagcggc | ttttcagatt | gctgcagaaa | acttctttct | tcaggatttg | 1560 |
| atatagatac | cccagatgat | tttggcagga | cttgtctaca | tgcagctgca | gctggaggga | 1620 |
| atttggagtg | cctaaacctt | ctgctgaata | ctggtgcaga | ctttaataaa | aaggacaaat | 1680 |
| ttgggagatc | tccactgcac | tacgctgctg | ccaactgcaa | ttaccagtgc | ctgtttgctc | 1740 |
| ttgtggggtc | aggagcaagt | gtgaatgacc | ttgatgaaag | aggctgcaca | cccctgcact | 1800 |
| atgcagctac | atcagacaca | gatggcaagt | gcctggaata | cttattaaga | aacgatgcaa | 1860 |
| atccagggat | ccgtgataag | caaggataca | acgcagttca | ttattcagct | gcttatggtc | 1920 |
| accgtctatg | tcttcagctg | attgcaagtg | aaactcctct | agatgtttta | atggaaacct | 1980 |
| caggaacaga | catgctgagt | gattcagata | atagagcaac | aataagccct | ttacacttgg | 2040 |
| ctgcctatca | tggtcaccat | caagcactgg | aagtgttggg | acagtctttg | ttagatcttg | 2100 |
| atgtcagaaa | tagtagtgga | agaacacccc | tagatcttgc | agctttttaag | ggccatgttg | 2160 |
| aatgtgtgga | tgtactcatt | aatcagggag | cctcaatctt | agtaaaagat | tacatttttg | 2220 |
| agaggacacc | tattcatgca | gcagcaacaa | atggctcattc | agaatgctta | cggctattaa | 2280 |
| taggaaatgc | agaaccacag | aatgcagtgg | atattcaaga | tggaaatgga | cagacgcctc | 2340 |
| tgatgctatc | tgttctcaac | gggcacacag | actgtgttta | ctcattgctg | aacaaaggag | 2400 |
| caaatgtaga | tgccaaaagt | aagtggggaa | ggacagcggt | gcatagaggg | gcagttacag | 2460 |
| gccatgaaga | atgtgtagat | gcattacttc | aacatgggtgc | taagtgttta | cttcgggata | 2520 |
| gcaggggccc | gacgcctata | cacctgtctg | ctgcctgtgg | acacattggt | gttcttggag | 2580 |
| cccttttgca | gtcagcagca | tctatggatg | caaatccagc | cacagcagac | aatcatggat | 2640 |
| atacggcact | tactgggct | tgctacaatg | gtcacgagac | atgtgtagaa | ctgcttttag | 2700 |
| aacaggaagt | tttccagaaa | acggaaggaa | atgcttttag | tccattgcat | tgtgccgtga | 2760 |
| taaatgacaa | cgaaggtgct | gctgagatgt | taattgatac | attaggtgcc | agcattgtga | 2820 |
| acgccacaga | ttcaaaaagga | agaactcctc | tccatgcagc | cgcttcaca | gaccatgtag | 2880 |
| agtgtttaca | gctgctgctc | agccataatg | ctcaagtcaa | ttctgtggac | tctacaggga | 2940 |
| aaacacctct | tatgatggct | gcagaaaatg | gacaaacaaa | tacagtgttg | agttattggt | 3000 |
| aatctaagaa | acatgttcat | aaacataaga | attgatgcac | tttttcctcc | cagagatgct | 3060 |
| ggtagcagt | gctagtgcag | aactgacttt | acaagataac | agtaaaaata | ctgccctcca | 3120 |
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| tagaaaacctc | atcaatgcaa | ccaacgcagc | cttgcaaacg | tgagtactgt | cagtatctag | 3240 |
| tataaaacttt | gtgacctata | attataaaaa | tgataaatgg | atttttttta | acatgtgact | 3300 |
| attggaatag | gctttcatta | ggcatagaa | agcaatttta | aataggtttt | acaactagtc | 3360 |
| aaaactctat | ttcgtaaaat | gatcacaact | aaaagccata | ttattttaaa | tgcttttgaa | 3420 |
| ctgaaatttt | attataacat | tgacaataat | gtattttttt | ccttaatcca | cctaccta | 3480 |
| tttctgaagg | aaagtagtac | tattttgtgt | attctgtgga | aatcaactgt | aataatatgt | 3540 |
| tacttgaaac | taacaataaa | tgaggtaaga | agctttatgt | gtgtctgtaa | gccaaataagg | 3600 |
| tttcttaaaag | aatcaaaatt | tttaataatg | tgagcagcca | acctccagat | agactgacag | 3660 |
| agatcttaca | tcagtgtctc | tcattgtccc | ttgtctattcc | attttgaggt | ttagtaaaga | 3720 |
| taaaaatctt | agaatatgtt | tgcccgtttc | gggattagtc | agatcccttg | aagggtccaaa | 3780 |
| aattagtcac | gatgcttgta | agctgttttc | aaagccattt | agaatttatg | ctactgcagt | 3840 |
| ttacagtttt | taatgtatag | tctgtatctt | taccagcctc | attccttaac | aacggaggaa | 3900 |
| tgcaatttca | atggtaaaat | gttttttaaac | attgaaaaga | aaagtaacaa | aaggattggg | 3960 |
| tgaaggtagg | gacctgtcga | tgggacctat | ggctgagctt | gatgccgagc | tacacgttga | 4020 |
| caagggtgtga | cagtgcactg | cacagagggt | ctgctctccc | tgcccccatc | tttgttatta | 4080 |
| ggactagggt | tctcgagttt | gtacctcttg | gtcttcacaa | gttgacaaaa | atgctctttg | 4140 |
| acagccagggt | gtgtatgtgt | atgtgcatgc | acatgcacat | atgtgtacat | gtatcatgtt | 4200 |
| ttttccccta | gacctctgca | tgttgctgcc | cgaaatgggc | taacaatggg | ggttcaggaa | 4260 |
| cttttgggaa | aaggagcaag | tgtgcttgca | gtagatgaaa | atggctatac | cccagctttg | 4320 |
| gcctgtgctc | ccaataaggga | tgtggctgat | tgcttggttc | tcattttggc | caccatgatg | 4380 |
| cctgtctcat | caagtagtcc | tttatcatcc | ttaacattca | atgccattaa | ccgttatacc | 4440 |
| aacacctcaa | aaacagtcag | ctttgaagct | ttgcccatca | tgaggaaatga | acctagctcc | 4500 |
| tattgcagtt | tcaataacat | tggaggggaa | caggagtact | tatacactga | cgtggatgag | 4560 |
| ctcaacgact | ccgattctga | gacctactga | gaggctgagg | aggagggagt | tctcacagta | 4620 |
| tagccttcaa | actgtgcttt | ttcaggacaa | aggcactttg | atattcacgt | tgatattcaa | 4680 |
| cctaagagga | aagatcccac | agtgaagcaa | tgtaagaga | tctgatggca | ttaggaggaa | 4740 |
| gagtttttaa | ggaattctct | tctgaattcc | ctgagggaa | tttctagaat | ctcagaattg | 4800 |
| aaagagacct | gaggttcac | cagtctctaa | cctcttaaca | aatgcaggag | tcccttctac | 4860 |
| aagggtgatc | tttccacctt | gaacacttcc | aagtgactct | acctcaccaa | gcagtcacat | 4920 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| cagttgttga | gcagctctaa | ctgttagaaa | ggctcttctt | agatggagtt | gaagcctccc | 4980 |
| ccccggtaac | ttctgtcttt | gggcctgggt | ctgtctctca | agagaacctt | gagaatgttg | 5040 |
| gaaggatgaa | tctcgcacat | tctgccatgt | cttctctttt | acaggctgtt | tgacttctct | 5100 |
| gctgaagtga | tttccagaag | gactcatttg | acacactatt | agatttacca | catctaata | 5160 |
| aatccaaggt | gtagctataa | agtgacaagc | tgtttttaat | ttatcacata | caccagaact | 5220 |
| tctatcctgc | atcacttata | tgtaaataat | gctgttacca | aaaacattaa | ggtagttctt | 5280 |
| gcgaatgcc | ccccactaag | aaaactattt | cattactttt | gtaatccatc | tgtgagagtc | 5340 |
| tgccccccag | cttaaccact | tcctttgggt | tgcacccaat | gaagggaaac | cccaaagtac | 5400 |
| tgtctcaaat | ggtatttgaa | ctacgccagt | attggtggaa | taagtacatt | aattacttga | 5460 |
| atgaatgaac | acagcacctg | agaaatttcc | tttatgggta | caccttgtat | gtctaaagca | 5520 |
| ttcaggccct | gttctgtagt | gtttcttctc | ctcacacaga | gtagaaaagc | ctgtttgctt | 5580 |
| ttattttaact | tattacataa | aagatgacat | ctgaaatata | tgatgtgtat | ttataaatac | 5640 |
| ccagcttctt | gctctagaac | tactttgggt | gaaatgggtg | taatagcaaa | tgacctcctt | 5700 |
| taacaagaca | ctcatctcaa | acaatgccat | ttagttccag | agatctctaa | gtgtagctgt | 5760 |
| aaattttggg | gttaatttgg | cttatattgg | acctttttaa | agaaataaag | ttttttaatg | 5820 |
| caat | | | | | | 5824 |

<210> 7622

<211> 1695

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (194)...(443)

<223> similar to gil345531 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7622

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| cttctgggtc | cttctgatga | tggcgctgct | tttctgctgc | ggagccggct | tcttcatccg | 180 |
| gaggcgcagt | tacccccgc | cgctgatcga | ggagccagcc | ttcaatgtgt | cctacaccag | 240 |
| gcagccccca | aatcccgccc | caggagccca | gcagccgggg | ccgccctatt | acaccgaccc | 300 |
| aggaggaccg | gggatgaacc | ctgtcgggaa | ttccatggca | atggctttcc | aggtcccacc | 360 |
| caactcacc | caggggagtg | tggcctgccc | gccccctcca | gcctactgca | acacgcctcc | 420 |
| gcccccgtag | gaacaggtag | tgaaggccaa | gtagtggggg | gccacgtgc | aagaggagag | 480 |
| acaggagagg | gcctttccct | ggcctttctg | tcttcgttga | tgttcacttc | caggaacggt | 540 |
| ctcgtgggct | gctaagggca | gttcctctga | tatcctcaca | gcaagcacag | ctctctttca | 600 |
| ggctttccat | ggagtacaat | atatgaactc | acactttgtc | tcctctgttg | cttctgtttc | 660 |
| tgacgcagtc | tgtgctctca | catggtagt | tggtgacagt | ccccgagggc | tgacgtcctt | 720 |
| acggtggcgt | gaccagatct | acaggagaga | gactgagagg | aagaaggcag | tgctggaggt | 780 |
| gcaggtggca | tgtaaagggg | ccaggccgag | catcccaggc | aagcatcctt | ctgcccgggt | 840 |
| attaatagga | agccccatgc | cgggcggtct | agccgatgaa | gcagcagccg | actgagctga | 900 |
| gccagcagg | tcatctgctc | cagcctgtcc | tctcgtcagc | cttcctcttc | cagaagctgt | 960 |
| tggagagaca | ttcaggagag | agcaagcccc | ttgtcatgtt | tctgtctctg | ttcatatcct | 1020 |
| aaagatagac | ttctcctgca | ccgccaggga | agggtagcac | gtgcagctct | caccgcagga | 1080 |
| tggggcctag | aatcaggctt | gccttgagg | cctgacagt | atctgacatc | cactaagcaa | 1140 |
| atttatttaa | attcatggga | aatcacttcc | tgccccaaac | tgagacattg | cattttgtga | 1200 |
| gctcttggtc | tgatttgagg | aaaggactgt | taccattttt | tttggtgtgt | ttatggaagt | 1260 |

| | | | | | | |
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| gcatgtagag | cgctctgccc | tttgaaatca | gactgggtgt | gtgtcttccc | tggacatcac | 1320 |
| tgctcttcca | gggcattctc | aggcccgggg | gtctccttcc | ctcaggcagc | tccagtgggtg | 1380 |
| ggttctgaag | ggtgctttca | aaacggggca | catctggctg | ggaagtcaca | tggactcttc | 1440 |
| cagggagaga | gaccagctga | ggcgtctctc | tctgaggttg | tgttgggtct | aagcgggtgt | 1500 |
| gtgctgggct | ccaaggagga | ggagcttgct | gggaaaagac | aggagaagta | ctgactcaac | 1560 |
| tgcactgacc | atgttgtcat | aattagaata | aagaagaagt | ggtcggaaat | gcacattcct | 1620 |
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<210> 7623

<211> 926

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (370)...(816)

<223> similar to gi3900848 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7623

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| tctgctctgt | ttagacttgg | ctgccggtgg | caccattttg | gcgtttaaca | catttgata | 120 |
| tgtggcacca | ttggggcttt | ggcaccattt | ggacttagct | gcctgtggag | ctgtttggaa | 180 |
| ctgagggata | gaacgcaagg | atctcactta | gcccagtggg | tggcagtcaa | ttaatggagc | 240 |
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| atgaagacga | gagctatctc | tcttgctgca | gacgccacgg | agtttgtgca | ggggcgagc | 360 |
| gctccagcca | tggcgcgttc | gctcgtccac | gacaccgtgt | tctactgctt | gagtgtatac | 420 |
| caggtaaaaa | taagccccac | acctcagctg | ggggcagcat | caagcgcaga | aggccatggt | 480 |
| ggccaaggag | ctccaggcct | catgggta | atgaacctg | agggcggtgt | gaaccacgag | 540 |
| aacggcatga | accgcgatgg | cggcatgac | cccagggcgg | gcggtggaaa | ccaggagcct | 600 |
| cggcagcagc | cgcagccccc | gccggaggag | ccggcccagg | cggccatgga | gggtccgcag | 660 |
| cccgagaaca | tgcagccacg | aactcggcgc | acgaagttca | cgctgttgca | ggtggaggag | 720 |
| ctggaaagtg | ttttccgaca | cactcaatac | cctgatgtgc | ccacaagaag | ggaacttgcc | 780 |
| gaaaacttag | gtgtgactga | agacaaagtg | cgggtttggg | ttagaataa | aagggccaga | 840 |
| tgtaggcgac | atcagagaga | attaatgctc | gccaatgaac | tacgtgctga | cccagacgac | 900 |
| tgtgtctaca | tcgtcgtgga | ctagcc | | | | 926 |

<210> 7624

<211> 2872

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (192)...(2392)

<223> similar to gi498723 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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tcgtagctaa gacgccaggg catcccggaa gctgggaaat gggactgttg acattcaggg      180
atgtggccgt agaattctct ttggaggagt gggaaacacct ggaaccagct cagaagaatt      240
tgtatcagga tgtgatgtta gaaaactaca gaaacctggg ctctctgggt cttgttgtct      300
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gttatgtaga aaagactttt aaatatgatc aatttgatga atcctctgtt gaaagtttgt      600
ttcaccagca aatactttct tcttggtcca aaagctataa ctttgatcaa tataggaagg      660
tctttactca ttcattcattg cttaatcaac aagaggaaat agatatttgg ggaaaacatc      720
acatatatga taaaacttca gtgttattta ggcagggtctc tactctaaat agttaccgaa      780
atgtttttat tggagagaaa aattatcatt gcaataattc tgaaaaaacc ttgaaccaaa      840
gctcaagccc taaaaatcat caggaaaatt attttctaga aaaacaatac aaatgtaaag      900
aatttgagga agtctttctt cagagtatgc atgggcaaga gaaacaagaa cagtcttaca      960
aatgtaataa atgtgtagaa gttgtaccc agtcattaaa acatattcaa catcagacca     1020
tccatatcag agaaaactca tatagctata acaaatatga taaagatctt agtcagtcac     1080
caaactcttag aaagcagata atccataatg aagagaaacc atacaaatgt gaaaaatgtg     1140
gggatagctt aaaccatagt ttgcacctta ctcaacatca gatcattcct accgaagaga     1200
aaccctataa atggaaagaa tgtggcaagg tctttaacct taactgtagt ttatacctta     1260
ctaaacagca gcaaattgat actggagaaa acctttacaa atgtaaagca tgtagcaaat     1320
cttttactcg ttctccaat cttattgtgc atcagagaat tcacactgga gagaaaccat     1380
acaaatgtaa agaattgtggc aaagcctttc gctgtagttc ataccttact aaacataagc     1440
gaattcatac tggagagaaa cttataaat gttaaagaatg tggaaaagct ttttaaccgta     1500
gttcatgcct tactcaacat cagacaactc atacaggaga aaaactttac aaatgtaaag     1560
tatgtagcaa atcttatgct cgttcttcaa atcttattat gcacagaga gttcatactg     1620
gagagaagcc ttataaatgt aaagaatgtg gcaaagtctt tagccgtagt tcttgacctta     1680
ctcaacatcg gaaaattcat actggagaaa atctttacaa atgcaaagta tgtgctaaac     1740
cttttacttg tttctcaaat cttattgtgc atgagagaat tcatactgga gagaaacctt     1800
ataaatgtaa agaattgtggc aaagcctttc cttatagttc acaccttatt cgacatcac     1860
gaattcatac tggagaaaaa ccatacaaat gtaaagcatg tagcaaatct tttagtact     1920
cctcaggtct tactgtgcat cggcgaactc atactggaga gaaaccctat acatgtaaag     1980
aatgtggcaa agcctttagt tatagttcag atgttattca gcacggaga attcatactg     2040
gccagagacc ctacaaatgt gaagaatgtg gcaaagcctt caactatagg tcatacctca     2100
ctacacatca aagaagtcac actggagaga gaccctacaa atgtgaagaa tgtggcaaag     2160
ccttcaactc taggtcatac ctactacac atcggagaag acatactgga gagagacctt     2220
acaaatgtga tgaatgtggg aaagccttca gctataggtc atacctcact acacatcgga     2280
gaagtcatag tggagagaga ccctacaaat gtgaagaatg tggcaaagcc ttttaactcta     2340
ggtcatacct cattgcacat cagagaagtc atactagaga aaaactttta aaatgtaaaa     2400
catggagcag attttttact tgttacccat gtcttattgt gcacagata atttatatgg     2460
gagtgaacc ctacaaatgt taagaatgtg gcataacctt taactatttt caagccttac     2520
acaatagcag agaataataa ctgaaaaaat ccatacaaat attaaaaatg tggcaaatta     2580
ttttaaactg tgctcaacct ttactcaaga taatccatac tagagaaaca ctatagatgt     2640
aaaaatgtga aaagttttat tcaaaatata aaacttatga gtcacctagg ggttcataga     2700
aaaaggaggt ttgcagatgc aataaatgtg aggaagtatt taataaaaaa tgaagtctaa     2760
atgtgtcaga gaatttatgt gagaaaggac taaagcacag acactttcag cttttatact     2820
aaataagagt atttttgctc agatatctta aggcaataaa tagtatttat tg          2872

```

<210> 7625
 <211> 739
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (103)...(641)
 <223> similar to gi5326828 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7625

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-----|
| cccacgcgtc | cgctccgccc | ttccggctgg | ccccgctcag | tcacccgcag | cagggcgtgca | 60 |
| gtttcccggc | tctccgcgcg | gccggggaag | gtcagcgccg | taatggcggt | cttggcgctcg | 120 |
| ggaccctacc | tgacccatca | gcaaaagggt | ttgcggtttt | ataagcgggc | gctacgccac | 180 |
| ctcgagtcgt | ggtgctcca | gagagacaaa | taccgatact | ttgcttggtt | gatgagagcc | 240 |
| cggtttgaag | aacataagaa | tgaagaggat | atggcggaag | ccacccagct | gctgaaggag | 300 |
| gccgaggaag | aattctggtg | ccgtcagcat | ccacagccat | acatcttccc | tgactctcct | 360 |
| gggggcacct | cctatgagag | atacgattgc | tacaagggtc | cagaatgggt | cttagatgac | 420 |
| tggcatcctt | ctgagaaggc | aatgtatcct | gattactttg | ccaagagaga | acagtgggaag | 480 |
| aaactgcgga | gggaaagctg | ggaacgagag | gttaagcagc | tgcaggagga | aacgccacct | 540 |
| ggtggtcctt | taactgaagc | tttgccccct | gcccgaagag | aagggtgatt | gccccactg | 600 |
| tgggtgtata | ttgtgaccag | acccggggag | cggcccatgt | agaaagagag | agacctcatc | 660 |
| tttcatgctt | gcaagtgaag | tatgttacag | aacatgcact | tgccctaata | aaaaatcagt | 720 |
| gaaatggtca | aaaaaaaaa | | | | | 739 |

<210> 7626
 <211> 997
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (846)...(161)
 <223> similar to gi573114 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7626

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | ttggccttga | agagtttatt | tactcattca | ctcagcagca | ttcaccaagc | 60 |
| cctactgtgt | gcattggctg | ggcaaggggt | ggtgttgagg | gtagagttag | cgttgctggc | 120 |
| agggggagcc | ggggtggatg | tgaagcagcc | cacaggtcag | gcctccatat | ctggaaagag | 180 |
| caggaacccc | gaaaagatgc | tggtggcacc | ctccatgccc | agtagtgagt | tcttgctcgt | 240 |
| ggcctgcagg | aagacgttct | ccccctgtct | cagcttgagg | accatgccac | cgggtgtgac | 300 |
| ctggaagggt | ttgtaggcat | agtcacagaa | ggtgaccacc | ttctgtgcac | gctcccgccc | 360 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| acgcatgagg | ttcacgcaca | ggttccctcg | agagctggcg | tggtaggtga | agtagtagag | 420 |
| accgggcacc | ttgcaggtga | acttgccact | gcggggctca | taattgttgt | tcatgttggt | 480 |
| gatcacgtgg | tcgaagcgga | tggtctggtc | ccggcgagg | gggacgttga | tggttcttgt | 540 |
| ggcagagaag | gcgattttct | gggtggcctt | gtagtctccc | gattcacctt | tggggccttg | 600 |
| ggctccaggg | gccccctggg | cacctttagg | gccccatggg | cccttggggc | cgacttttcc | 660 |
| tggattccca | ggaatccctg | ggtctccctt | ctctccgaac | tcaccatggt | ctccagccag | 720 |
| ccctggaagc | cctttctctc | cttttatecc | tggggctcca | ggttggccat | cggggccagg | 780 |
| tgtcccaggg | ataccgggga | tgccagggat | ggctgggggc | ccggtgcagc | tgagctgggc | 840 |
| ctgggagata | tcgattaggt | ccaggagcag | gagcaacatc | agtactggga | tgctgcccc | 900 |
| tgggatcttc | atcatcatac | tgtgtcagac | gcctcctggg | aagctggtgt | cctgtgaggc | 960 |
| cactgggctg | agcagcagtg | ggaccaggag | ccgagag | | | 997 |

<210> 7627

<211> 3764

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (411)...(3263)

<223> similar to gi5881961 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7627

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|------|
| gagggctggg | gctgggagat | cccggcgggg | gccccggcag | agcagtcgcc | cgtgagcccc | 60 |
| cgcaactcag | acgcgctcgg | cctcgcgctc | cggggctggg | accaccgagg | gcgagctgca | 120 |
| gccttcgcca | cccggtcggc | cgccggactc | cgctcccac | aaacagcccg | gcaaggccct | 180 |
| tttcgcccgc | tccctcatcc | agcgaagcct | ccttcccagc | ttccccggcg | gcggcgccgt | 240 |
| gacgtcactt | ccgttctcca | gcgcgcacgt | gggaggaagt | gctggtgccc | tctgccgctg | 300 |
| ctcccgtctc | tttggttacg | ctcgtcagcc | gctggctcag | ccgcaagtac | ccgtccatca | 360 |
| tagtcaactg | cgtggaagag | aaggtgagga | ggcgccagcc | gtgtgccgct | atgggagtcc | 420 |
| cggcgcttct | ccgctggctc | agccgcaagt | acccgtccat | catagtcaac | tgctggaag | 480 |
| agaagccaaa | agaattcaat | ggtgtaaaga | ttccagttga | tgccagtaaa | cctaatacaa | 540 |
| atgatgtgga | gtttgataat | ctgtatttgg | atatgaatgg | aatcatccat | ccctgtactc | 600 |
| atcctgaaga | caaaccagca | caaaaaaatg | aagatgaaat | gatggttgca | atttttgagt | 660 |
| acattgacag | acttttcagt | attgtaagac | caagaagact | tctctacatg | gcaatagatg | 720 |
| gagtggcacc | acgtgctaaa | atgaaccagc | agcgttcaag | gaggttcagg | gcatcaaaag | 780 |
| aaggaatgga | agcagcagtc | gagaagcagc | gagtcagggg | agaaatattg | gcaaaagggtg | 840 |
| gctttcttcc | tccagaagaa | ataaaagaaa | gatttgacag | caactgtatt | acaccaggaa | 900 |
| ctgaattcat | ggacaatctt | gctaaatgcc | ttcgctatta | catagctgat | cgtttaaata | 960 |
| atgaccctgg | gtggaaaaat | ttgacagtta | ttttatctga | tgctagtgtc | cctggtgaag | 1020 |
| gagaacataa | aatcatggat | tacattagaa | ggcaaagagc | ccagcctaac | catgacccaa | 1080 |
| atactcatca | ttgtttatgt | ggagcagatg | ctgatctcat | tatgcttggc | cttgccacac | 1140 |
| atgaaccgaa | ctttaccatt | attagagaag | aattcaaacc | aaacaagccc | aaaccatgtg | 1200 |
| gtctttgtaa | tcagtttgga | catgaggtca | aagattgtga | aggtttgcca | agagaaaaga | 1260 |
| aggggaaagca | tgatgaactt | gccgatagtc | ttccttgctg | agaaggagag | tttatcttcc | 1320 |
| ttcggtctaa | tgttcttcgt | gagtatttgg | aaagagaact | cacaatggcc | agcctaccat | 1380 |
| tcacatttga | tgttgagagg | agcattgatg | actgggtttt | catgtgcttc | tttggtggaa | 1440 |
| atgacttcct | ccctcatctg | ccatcgttag | agattgggga | aaatgcaatt | gaccgttttg | 1500 |
| ttaacatata | caaaaatgtg | gtacacaaaa | ctgggggtta | ccttacagaa | agtggttatg | 1560 |

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|-------------|------|
| tcaatctgca | aagagtacag | atgatcatgt | tagcagttgg | tgaagttgag | gatagcattt | 1620 |
| ttaaaaagag | aaaggatgat | gaggacagtt | ttagaagacg | acagaaagaa | aaaagaaaga | 1680 |
| gaatgaagag | agatcaacca | gctttcactc | ctagtggaa | attaactcct | catgccttgg | 1740 |
| gttcaagaaa | ttcaccagg | tctcaagtag | ccagtaatcc | gagacaagca | gcctatgaaa | 1800 |
| tgaggatgca | gaataactct | agtccttcga | tatctcctaa | tacgagtttc | acatctgatg | 1860 |
| gctccccgtc | tccattagga | ggaattaagc | gaaaagcaga | agacagtgac | agtgaacctg | 1920 |
| agccagagga | taatgtcagg | ttatgggaag | ctggctggaa | gcagcggtag | tacaagaaca | 1980 |
| aatttgatgt | ggatgcagct | gatgagaaat | tccgtcggaa | agttgtgcag | tcgtacgttg | 2040 |
| aaggactttg | ctgggttctt | agatattatt | accagggctg | tgcttcctgg | aagtgggtatt | 2100 |
| atccattttca | ttatgcacca | tttgcttcag | actttgaagg | cattgcagac | atgccatctg | 2160 |
| attttgagaa | gggtacgaaa | ccgtttaaac | cactagaaca | acttatgggg | gtattttccag | 2220 |
| ctgcaagtgg | taattttcta | cctccatcat | ggcggaaagct | catgagtgat | cctgattcta | 2280 |
| gtataattga | cttctatcct | gaagattttg | ctattgattt | gaatgggaag | aaatatgcat | 2340 |
| ggcaagggtg | tgtctccttg | ccattcgtgg | atgagcgaag | gctacgagct | gccctagaag | 2400 |
| aggtataccc | agacctcact | ccagaagaga | ccagaagaaa | cagccttgga | ggtgatgtct | 2460 |
| tatttggtggg | gaaacatcac | ccactccatg | acttcatttt | agagctgtac | cagacagggt | 2520 |
| ccacagagcc | agtggaggta | ccccctgaac | tatgtcatgg | gattcaagga | aagttttctt | 2580 |
| tggtatgaaga | agccattctt | ccagatcaaa | tagtatgttc | tcctgttcct | atgttaaggg | 2640 |
| atctgacaca | gaacactgta | gtcagtatta | attttaaaga | cccacagttt | gctgaagatt | 2700 |
| acatttttaa | agctgtaatg | cttccaggag | caagaaaagcc | agcagcagta | ctgaaacctta | 2760 |
| gtgactggga | aaaatccagc | aatggacggc | agtggaaagcc | tcagcttggc | tttaaccgtg | 2820 |
| accggaggcc | tgtgcacctg | gatcaggcag | ccttcaggac | tttgggccat | gtgatgccaa | 2880 |
| gaggctcagg | aactggcatt | tacagcaatg | ctgcaccacc | acctgtgact | taccagggaa | 2940 |
| acttatacag | gccgcttttg | agaggacaag | cccagattcc | aaaacttatg | tcaaatatga | 3000 |
| ggccccagga | ttcctggcga | ggtcctcctc | cccttttcca | gcagcaaagg | tttgacagag | 3060 |
| gcgttggggc | tgaacctctg | ctcccatgga | accggatgct | gcaaaccag | aatgcagcct | 3120 |
| tccagccaaa | ccagtaccag | atgctagctg | ggcctggtgg | gtatccaccc | agacgagatg | 3180 |
| atcgtggagg | gagacagggg | tatcccagag | aaggaaggaa | ataccctttg | ccaccaccct | 3240 |
| caggaagata | caattggaat | taagcttttg | taaagctttc | ccaaatcctt | tcattcattct | 3300 |
| acagttttat | gctattttgtg | gaaagatttc | tttctcaagt | agtagttttt | aataaaaacta | 3360 |
| cagtactttg | tgtattttctt | ttactgtgt | atattttctac | tgatctgatc | tcactgttta | 3420 |
| tgttgctttc | caaagatgta | tgttgcataa | tacagtggat | ctgaatttat | tattgcttat | 3480 |
| aaaacacatt | tattggaata | ggagtactgg | tttttcataa | tggttaaaaa | tgaaccagc | 3540 |
| tgtggatttc | aaaacacagt | gtattctaga | tcactctaaga | tccatgctga | tttttattgc | 3600 |
| acaagaatta | ggtttgaaact | cttgagctgg | aacctcagca | aactagagta | tatattgttc | 3660 |
| agtattttctt | tggaaacatt | tcattaatgt | acttgtctta | cagaaatttc | tgaactttag | 3720 |
| taaaaaaaaa | taaagttaaa | ctttttaaaaa | aaaaaaaaag | gggg | | 3764 |

<210> 7628

<211> 3217

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(3218)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (3076)...(2478)

<223> similar to gi4885694 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7628

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|------------|------|
| tttttttttt | ttactgatta | agagcttaaa | tgtttattta | aaacagaaat | gccaaaccac | 60 |
| tccactctca | acctttcaag | caacctggct | aacaataaac | tagttcttct | gcaacaatgt | 120 |
| tagagcagag | gagtaactca | ggttatactg | taactcaaaa | gcaatactac | tagaaaactt | 180 |
| aaaacaccta | gcactgcata | aagaaaaaaa | gcaggacaaa | atttaaagag | aattagctac | 240 |
| agaaaaccat | tcaaaggcat | ttctactgcc | tcatctttta | ctccatcccc | ctttgaactg | 300 |
| gtttctgttt | gcatacttgt | ttggtgggaa | aaaaaatcat | atggctgtcc | caggcacaat | 360 |
| atgggaaagt | gcaaactgtc | tctaaggcac | agaacttaga | ttctcagcca | gattaatagc | 420 |
| aaatctagac | ttcccaaggg | aatatgctag | agaaaatgac | cacagcgttc | cactgctagg | 480 |
| gaaaggctcc | cctatgaaca | agaccagggc | actcaccac | ccccggcact | cactttcacc | 540 |
| ccaccttctc | agcaacctgc | ccatgtccat | cagctccatg | gcagaagcaa | tcctcatgat | 600 |
| gaacacccca | aactgacccc | agcctcctca | ggccctgcct | gagatgatga | gcattaagaa | 660 |
| tacaggaaca | tgacaggtca | atcggtccct | caagaaaatc | aaagttgcat | ttacatgctg | 720 |
| aaccaaaacc | cactgtttaca | gtttatgaca | acccccgcaa | gtccccagaa | cttgcaactt | 780 |
| taatcaaagt | ttggctgctt | cccttatttc | aagaaaaggt | ttcagtgatt | acattagtac | 840 |
| taatgtacta | ggcttcccag | aactgagaaa | acaatgggaa | catcaaacca | aagaagatcc | 900 |
| cattgaacag | agttgcctgt | cccagcaat | ggggttctcc | ccaagcatca | gcctttatgc | 960 |
| caccagtttt | ggagaaatgg | caaaatttcc | attgcacaag | acctcccaca | atgttgataa | 1020 |
| gattatcaaa | cattttggtc | tggggaagat | gaaacaaaat | taatttagct | gtttaatagg | 1080 |
| aagtggtggga | tgtgagactc | atccaaaggt | aggatgtgtg | acacccaaaat | accacaggaa | 1140 |
| ccattttaca | aggcctaggt | ggaaatacaa | agctcacatc | cttaaggaaa | ccatcaaata | 1200 |
| cttgccctag | aactttctat | atgaagtttt | gttcttctat | gacactattt | ctctttggta | 1260 |
| aagctagctt | gtttctatct | acaaagacac | agtgaagtaca | ggattagaag | tgagctctca | 1320 |
| gccaaattcc | ttttgcaagt | tctacctgtt | ctgttaggct | tcagggactc | ccagggtttg | 1380 |
| gtgctggctt | tgggccactc | aggtaggaaa | aatgatacag | attcattcgt | taccacatgg | 1440 |
| cttcataaaa | cacaaaaagg | ggaaaaatac | tgactagaca | ttcagaaaaga | aagtggttgg | 1500 |
| ggctgctgat | atcaagatca | gaaccttaag | agccatgaag | gcagaggctc | aaagaagtct | 1560 |
| tttcatgggc | agaagactga | gagccctcta | agccctctct | aagataccaa | gtagaggcag | 1620 |
| ctaaaggagg | acctcttctc | cttcatgatt | ttctcttaag | gctattctga | ctgccccatg | 1680 |
| gactcaattc | tctgagacac | ctcatccctc | agagacacct | catccctcta | tccacagtta | 1740 |
| ggaaatccca | ccctgcattg | gtcacagcct | gaaacaccag | ctgtgtgatg | aggagggtcc | 1800 |
| tgccctttct | ctattcctca | ctgaagaaat | ttcaatcaac | cctcagagga | aaagcaacct | 1860 |
| aagcctacct | ttcctcctaa | agcatttagc | tgacacagat | aactgaactt | tttcgaaaca | 1920 |
| agccctagat | tgactccatc | agacatattt | tcctggactc | agggctccca | agagggccag | 1980 |
| actacttcac | cactctgcag | aggacactgg | gcgggccaca | cctgattcca | gccactcca | 2040 |
| actttacact | tctccctctc | ccaccagag | gggtaatgcc | tggtactgaa | ttcccaaggc | 2100 |
| agcttccaat | caatggtgaa | aatgatacat | gggatataag | ctgctaccag | cgcaattaag | 2160 |
| gtgagcactg | tgtctcctct | tcaaagggtg | gatcaacaga | tgaggtacag | agctgctgtt | 2220 |
| gctatggcag | tactgatga | caaagccagg | gccatggggg | cccttcatt | ctccaaaaca | 2280 |
| ataaaatcac | tcctagatcc | tatctaaaag | gcaatgccac | tctccaaatg | tacaaggaaa | 2340 |
| gtgcttcaga | gcctctgcct | tgcgctcctt | ttctgcaagt | gaacaaagcc | aggaaagctg | 2400 |
| ctctctgcat | tcggtaagtg | tgctgtgaag | ttctttgggt | cccagtctcc | tgggggctct | 2460 |
| ataggctcag | gagactagag | gctgggtcta | caggagtctg | ttcccaggag | gcaccaggaa | 2520 |
| tctgaatcta | agtcaggctt | tggatccatt | tccatctctt | cctttgctgt | ctgagttcct | 2580 |
| ttggaatgca | tccccacctg | ctgcccctct | tctaatttct | tgttcaactt | ctgcagttgg | 2640 |
| gtaaaaatct | ggagggtttt | ttgctgtagc | ttctgttgtt | cagccagaca | ctttaacacc | 2700 |
| agaccctgca | atctctcaac | ctccacctgc | agagagctgc | acgcacacgc | aggaggagtc | 2760 |
| agtgggtgtt | ccttcccagc | acaggttact | gcaggattca | gccgagggtga | cgaggcttct | 2820 |
| acttgggggt | tgtgttccaa | aggagcttca | gaggccactt | tgagtccttg | cagctcttca | 2880 |
| taggggcagg | tatctttctc | agattctgaa | aacgctgcac | tgagaggaga | tgggctgtca | 2940 |
| ggcagtgagg | taaattctgc | attttccagc | tcctttcgaa | gccagccagg | acaggagctg | 3000 |
| ctggcccat | tactgttccc | catggcctct | gtgggactga | ttaaaccttc | cattcctcgg | 3060 |
| tctgcttcca | ttgttcctcg | gaagcctcca | cttgggtcag | gagtttcaga | ttcctgctga | 3120 |

```

ctgtcctctt cttcaccacc gccgccccg ccgcccgnnc gcntgggtcg ncgcggggtgc 3180
gaagaccacac ctacaggact ctcattaggg agcggcg 3217

```

```

<210> 7629
<211> 1427
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (122)...(673)
<223> similar to gi3288888 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 7629
acgcacgcaa gcgggtccag ggtacgtccc cgccacgcgc gctcgcagga tcggtgcgtg 60
gtgacgtttc gccggcgcg gcgccatccc ggaagcgcg gcaaggccgc cagatgtgca 120
ggcagcggag gaggagaaa agatggacct cccggactcg gcctcgaggg tcttctgcgg 180
ccgcatcctg agcatggtga acacagatga tgtcaacgcc atcatcctgg ccagaagaa 240
catgctggac cgctttgaga agaccaatga gatgctgctc aacttcaaca acctgtccag 300
tgcccgcctg cagcagatga gcgaacgctt cctgcaccac acgaggacc tagtagagat 360
gaaacgggac ctggacagca tcttcgcgg tatcaggacg ctgaaagga aactggccag 420
gcagcaccca gaggccttca gccatatccc agaggcatcc ttcttgagg aagaggatga 480
agaccccatc ccaccagca ccacgaccac cattgccacc tcagaacaga gcacgggctc 540
atgtgacacc agccccgaca ccgtctcgcc ctccctgagc cccggcttcg aggacctgtc 600
ccatgtccag cctggctccc cagccatcaa cggccgcagc cagacagatg acgaggagat 660
gacgggcgaa tagccctgct gcccggtgcc ttgagggggc ctcagggcag cagcatacaa 720
ggtggcagcg ggtaaccctg ccttgttctg tcatccaggg ctcccttgct gcccgttct 780
gtcaccagg gctcctaggg ggacaaggct ctctcccag ggtgtggaa ttctggggg 840
ggtctttaat tctgggtctc ttcttctctc agaacatctc tattctgcaa gacctctctg 900
ccatgccagg gcacgcccac tccagctgga gtcgtggggc tgggcacagg ggaatttttc 960
cagagctgag cctgacgtct gctctgaaga atgcttagaa ggttcccaga caccagagcc 1020
agatgtcccc caccaccgt caggacctcc ttgaggtgca caagcacggt ctctctgag 1080
ttcaccccag cccacccccg caccactaa ttctgtttt cctgcccctt gctccgtaaa 1140
agtatcaaat actttctcct tggatatctc aggaggtttc tgagataggt agaagtcttg 1200
agacggaggc tggccatcca ttcagccctg agcgtgctga gttctgtgtt tctctgaata 1260
gaggtgtgga acctgagggg ccagcaggcc tctctgaagg cctccatgga gcaaacggag 1320
ccacctcggg aaagagttta atggaatatt tttgtaccg atgtttacag atgctgttg 1380
gaagttatca ataaaaagac accattacta aaaaggga aaaaaaa 1427

```

```

<210> 7630
<211> 1077
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (927)...(513)
 <223> similar to gi3395582 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7630
 tttttttttt ttgattataa agcaagttta ttctgaagag ggattgtctt atgtttacgc 60
 acaggggaaga aataagagga aaccctcttt tcaacctctt tccccctca cagaaccgag 120
 tccccaagtt ctcagcaaca tcatgcagtg cttcagcgcc tttactgggg accaaagatg 180
 ttaggatcgt gaagggtcag actggtcacc agctgttcaa agtcacccag gctccagggt 240
 gcaggtgaca gattttcggg gccaaagatg gacctgttgt cagggccttg ggtgggggaa 300
 cagatggaga cagaacatca tccaggcctg aggtttggaa attgccaatt cctgttcccc 360
 agaggacctg ggtatcagtt accccaaacc tctggcccac tctgcttcc ttggaggatc 420
 ccaccagtga gtctccctgt tctgtccctc ccagcccgat tctcctggga acccagtcac 480
 gagatacccg cccgttccct cctccttacg ggggctgatt gaaggtaagc aagagatcag 540
 tctggtactg gggcagcctc agcaaggcct gatgaagtgt cacgtccttt gctacctgct 600
 ggttttcctt agctatctgc tgcttgccag agaggaccca ggcttcttga cagcggcccc 660
 tcagggccag gttctccaaa ctgagaggct gaacagactc cacatggaca gccctagccc 720
 cctgcacgcc accaacatcc tcaaagtggc accgcgcagc cgcttcgccc cgtacgtggg 780
 cctgcagctc gagaagttcc actatcaggc tctggctcgt cacgggatgg cagaaaactt 840
 cttgattgtc cgggaccggc cggaggtcgc ttacgtcaat ggcccccatg gggaggatgg 900
 cggaaaaggc gccccgaac agcgggcagt ctctcgtggg ctccatgggt ctgaggctgg 960
 gttatgggca ttagaaaagg ttaaaaagaag tccacattgg gtcacgtggc atcggtctcc 1020
 tgggtttcgc agctgccacc gccaccggg tctggcttag ctcccgatc ctttaag 1077

<210> 7631
 <211> 1792
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (122)...(1119)
 <223> similar to gi780261 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7631
 attgatgcct tcggaccgcc cgttgagccc gtcgaccac gcgtccgccg gatctcattg 60
 ccacgcgccc ccgacgaccg cccgacgtgc attcccgatt ctttttggtt ccaagtccaa 120
 tatggcaact ctaaaggatc agctgattta taatcttcta aaggaagaac agacccccca 180
 gaataagatt acagttgttg gggttgggtc tggtggcatg gcctgtgcca tcagtatctt 240
 aatgaaggac ttggcagatg aacttgctct tggtgatgtc atcgaagaca aattgaaggg 300
 agagatgatg gatctccaac atggcagcct ttctcttaga acaccaaaga ttgtctcttg 360
 caaagactat aatgtaactg caaactccaa gctggtcatt atcacggctg gggcacgtca 420
 gcaagaggga gaaagccgtc ttaatttggc ccagcgtaac gtgaacatct ttaaattcat 480
 cattcctaatt gttgtaaaat acagcccga ctcgaagtgt cttattgttt caaatccagt 540
 ggatatcttg acctacgtgg cttggaagat aagtggtttt cccaaaaacc gtgttattgg 600

| | | | | | | |
|------------|-------------|-------------|------------|-------------|------------|------|
| aagtgggtgc | aatctggatt | cagccccgatt | ccgttacctg | atgggggaaa | ggctgggagt | 660 |
| tcaccatta | agctgtcatg | ggtgggtcct | tggggaacat | ggagattcca | gtgtgcctgt | 720 |
| atggagtga | atgaatgttg | ctggtgtctc | tctgaagact | ctgcaccag | atttagggac | 780 |
| tgataaagat | aaggaacagt | ggaaagaggt | tcacaagcag | gtggttgaga | gtgcttatga | 840 |
| ggtgatcaaa | ctcaaaggct | acacatcctg | ggctattgga | ctctctgtag | cagatttggc | 900 |
| agagagtata | atgaagaatc | ttaggcgggt | gcaccagtt | tccaccatga | ttaagggctc | 960 |
| ttacggaata | aaggatgatg | tcttccttag | tgttccttgc | atthttgggac | agaatggaat | 1020 |
| ctcagacctt | gtgaagggtga | ctctgacttc | tgaggaagag | gcccgtttga | agaagagtgc | 1080 |
| agatacactt | tgggggatcc | aaaaggagct | gcaattttta | agtcttctga | tgtcatatca | 1140 |
| tttactgtc | taggctacaa | caggattcta | ggtggaggtt | gtgcatgttg | tcctttttat | 1200 |
| ctgatctgtg | attaaagcag | taatatatta | agatggactg | ggaaaaacat | caactcctga | 1260 |
| agttagaaat | aagaatgggt | tgtaaaatcc | acagctatat | cctgatgctg | gatggtatta | 1320 |
| atcttggtga | gtcttcaact | ggttagtgtg | aaatagttct | gccacctctg | acgcaccact | 1380 |
| gccaatgctg | tacgtactgc | atthtccccct | tgagccaggt | ggatgtttac | cgtgtgttat | 1440 |
| ataacttcct | ggctccttca | ctgaacatgc | ctagtccaac | atthttttccc | agtgagtcac | 1500 |
| atcctgggat | ccagtgtata | aatccaatat | catgtcttgt | gcataattct | tccaaggat | 1560 |
| cttattttgt | gaactatata | agtagtgtac | attaccatat | aatgtaaaaa | gatctacata | 1620 |
| caaacaatgc | aaccaactat | ccaagtgtta | taccaactaa | aacccccaat | aaaccttgaa | 1680 |
| cagtgaaaaa | aaaaaaaaaag | gggcggccgt | tttaaggat | ccttgggggg | gccaagtth | 1740 |
| acgcgggcat | gcaaggtaat | agctthttcc | ttataggag | ccgtattata | ac | 1792 |

<210> 7632

<211> 2271

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (37)...(1624)

<223> similar to gil79458 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7632

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| tttcgtgccc | cctccgagag | gggagaccag | cgggccatga | caagctccag | gctttggttt | 60 |
| tcgctgctgc | tggcggcagc | gttcgcagga | cgggcgacgg | ccctctggcc | ctggcctcag | 120 |
| aacttccaaa | cctccgacca | gcgtacgtc | ctttaccgga | acaactttca | attccagtac | 180 |
| gatgtcagct | cggccgcgca | gcccggctgc | tcagtcctcg | acgaggcctt | ccagcgctat | 240 |
| cgtgacctgc | ttttcggttc | cgggtccttg | ccccgtcctt | acctcacagg | gaaacggcat | 300 |
| acactggaga | agaatgtgtt | ggttgtctct | gtagtcacac | ctggatgtaa | ccagcttcct | 360 |
| actttggagt | cagtggagaa | ttataccctg | accataaatg | atgaccagt | tttactcctc | 420 |
| tctgagactg | tctggggagc | tctccgaggt | ctggagactt | ttagccagct | tgtttggaaa | 480 |
| tctgctgagg | gcacattctt | tatcaacaag | actgagattg | aggactttcc | ccgctttcct | 540 |
| caccggggct | tgtgtttgga | tacatctcgc | cattacctgc | cactctctag | catcctggac | 600 |
| actctggatg | tcatggcgta | caataaattg | aacgtgttcc | actggcatct | ggtagatgat | 660 |
| ccttccttcc | catatgagag | cttcactttt | ccagagctca | tgagaaaggg | gtcctacaac | 720 |
| cctgtcaccc | acatctacac | agcacaggat | gtgaaggagg | tcattgaata | cgcacggctc | 780 |
| cggggtatcc | gtgtgcttgc | agagtthtgc | actcctggcc | acactthtgc | ctggggacca | 840 |
| ggtatccctg | gattactgac | tccttgctac | tctgggtctg | agccctctgg | cacctthtga | 900 |
| ccagtgaatc | ccagtctcaa | taatacctat | gagttcatga | gcacattctt | cttagaagtc | 960 |
| agctctgtct | tcccagattt | ttatcttcat | cttggaggag | atgaggttga | tttcacctgc | 1020 |

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|------|
| tggaagtcca | acccagagat | ccaggacttt | atgaggaaga | aaggcttcgg | tgaggacttc | 1080 |
| aagcagctgg | agtccttcta | catccagacg | ctgctggaca | tcgtctcttc | ttatggcaag | 1140 |
| ggctatgtgg | tgtggcagga | ggtgtttgat | aataaagtaa | agattcagcc | agacacaatc | 1200 |
| atacaggtgt | ggcgagagga | tattccagtg | aactatatga | aggagctgga | actggtcacc | 1260 |
| aaggccggct | tccgggccct | tctctctgcc | ccctggtacc | tgaaccgtat | atcctatggc | 1320 |
| cctgactgga | aggatttcta | cgtagtggaa | cccctggcat | ttgaaggtag | ccctgagcag | 1380 |
| aaggctctgg | tgattggtgg | agaggcttgt | atgtggggag | aatatgtgga | caacacaaac | 1440 |
| ctggccccca | ggctctggcc | cagagcaggg | gctgttgccg | aaaggctgtg | gagcaacaag | 1500 |
| ttgacatctg | acctgacatt | tgcctatgaa | cgtttgtcac | acttccgctg | tgagttgctg | 1560 |
| aggcgaggtg | tccaggccca | acccctcaat | gtaggcttct | gtgagcagga | gtttgaacag | 1620 |
| acctgagccc | caggcaccga | ggaggggtgt | ggctgtaggt | gaatggtagt | ggagccaggc | 1680 |
| ttccactgca | tcctggccag | gggacggagc | cccttgccct | cgtgccccct | gcctgctgtc | 1740 |
| ccctgtgctt | ggagagaaa | gggcccgtgc | tggcgctcgc | attcaataaa | gagtaatgtg | 1800 |
| gcatttttct | ataataaaca | tggattacct | gtgtttaaaa | aaaaaagtgt | gactgccctt | 1860 |
| cagggtaagc | gcacagccca | ggctggagtc | agtgtctgcc | cctgaggtct | tttaagttga | 1920 |
| gggctgggaa | tgaacacctat | agcctttgtg | ctgttctgcc | ttgcctgtga | gctatgtcac | 1980 |
| tcccccccca | ctcctgacca | tattccagac | acctgcccta | atcctcagcc | tgctcacttc | 2040 |
| acttctgcat | tatatctcca | aggcgttggt | atatggaaaa | agatgtaggg | gcttggaggt | 2100 |
| gttctggaca | gtggggaggg | ctccagaccc | aacctggtca | caaaagagcc | tctcccccat | 2160 |
| gcatactcat | ccacctccct | cccctagagc | tattctcctt | tgggtttctt | gctgctgcaa | 2220 |
| ttttatacaa | ccattattta | aatattatta | aacacatatt | gttctctaaa | a | 2271 |

<210> 7633

<211> 2108

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (383)...(1651)

<223> similar to gi3878584 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7633

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| gacgatcgga | ggacccgccc | ggaattccgg | caacgacgcc | ttcgcgggag | acggccacct | 60 |
| agagcattgg | gcgttgca | ttcctgaggg | ccgctggcca | attggcgcg | tcgtctgaat | 120 |
| ggcgtttggc | gcggagcagt | gacggctgcg | ataatagcga | ggcagcagtg | cagctttcag | 180 |
| agggtccggg | ctcagagggg | ctatgattcg | gagggttctg | ccgcacggca | tgggccgggg | 240 |
| cctcttgacc | cggaggccag | gcacgcgcag | aggaggcttt | tctctggact | gggatggaaa | 300 |
| ggtgtctgag | attaagaaga | agatcaagtc | gacctctgct | ggaaggctct | gtgatctact | 360 |
| gcaagacacc | agccacctgc | ctcccagaca | ctcgatgtg | gtgatcgtgg | gaggtggggg | 420 |
| gcttggttg | tctgtggcct | attggctgaa | gaagctggag | agcagacgag | gtgctattcg | 480 |
| agtgcctagt | gtggaacggg | accacacgta | ttcacaggcc | tccactgggc | tctcagtagg | 540 |
| tgggatttgt | cagcagttct | cattgcctga | gaacatccag | ctctccctct | tttcagccag | 600 |
| ctttctacgg | aacatcaatg | agtacctgga | cgtagctgat | gctcctcccc | tggacctccg | 660 |
| gttcaacccc | tcgggctacc | tcttgctggc | ttcagaaaa | gatgctgcag | ccatggagag | 720 |
| caacgtgaaa | gtgcagaggg | aggagggagc | caaagtttct | ctgatgtctc | ctgatcagct | 780 |
| tcggaacaag | tttccctgga | taaacacaga | gggagtggct | ttggcgtctt | atgggatgga | 840 |
| ggacgaaggt | tggtttgacc | cctggtgtct | gctccagggg | cttcggcgaa | aggtccagtc | 900 |
| cttgggagtc | cttttctgcc | agggagaggt | gacacgtttt | gtctcttcat | ctcaacgcac | 960 |

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|------|
| gttgaccaca | gatgacaaaag | cggtggtctt | gaaaaggatc | catgaagtcc | atgtgaagat | 1020 |
| ggaccgcagc | ctggagtacc | agcctgtgga | atgcgccatt | gtgatcaacg | cagccggagc | 1080 |
| ctggtctgcg | caaatcgag | cactggctgg | tgttgagag | gggccgcctg | gcaccctgca | 1140 |
| gggcaccaag | ctacctgtgg | agccgaggaa | aaggtatgtg | tatgtgtggc | actgccccca | 1200 |
| gggaccaggc | ctagagactc | cgcttgttgc | agacaccagt | ggagcctatt | ttcgccggga | 1260 |
| aggattaggt | agcaactacc | taggtggtcg | tagccccact | gagcaggaag | aaccggagcc | 1320 |
| ggcgaacctg | gaagtggacc | atgatttctt | ccaggacaag | gtgtggcccc | atttggccct | 1380 |
| gaggttccca | gcttttgaga | ctctgaaggt | tcagagcgcc | tgggccggct | attacgacta | 1440 |
| caacaccttt | gaccagaatg | gcgtggtggg | ccccaccgg | ctagtgtgca | acatgtactt | 1500 |
| tgctactggc | ttcagtggtc | acgggctcca | gcaggcccc | ggcattgggc | gagctgtagc | 1560 |
| agagatggta | ctgaagggca | ggttccagac | catcgacctg | agccccctcc | tctttaccgg | 1620 |
| cttttacttg | ggagagaaga | tccaggagaa | caacatcatc | tgagcatgtg | tgctctgcac | 1680 |
| tggctccact | ggcttgcac | ctggctgtgt | tcacagcctt | gtttgctgct | tccatcttcc | 1740 |
| ccagtactgt | gccaggcctt | ctccccctcc | ccagtgtcct | ctcctctcag | ggaggccatt | 1800 |
| gcacccatat | ggctgggcag | gcacaggcag | tgaggccgag | gccaatagcg | agtgatgagc | 1860 |
| gggatectag | gactgatctg | tagcccatgc | tgatgtcacc | caccagggca | atccatctgg | 1920 |
| aggcctgagc | accctggccc | aggactggct | tcctcctggc | actgaccagg | aaagactgcc | 1980 |
| tctgaccctc | ttagcagaca | gagcccaggc | atgggagcac | tctggggcag | cctggctcag | 2040 |
| gtttattgat | tttcgtctgt | ttaccctatc | cattaatcaa | tacatgtaat | taactcctaa | 2100 |
| aaaaaaaa | | | | | | 2108 |

<210> 7634

<211> 1464

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (729)...(1335)

<223> similar to gi757907 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7634

| | | | | | | |
|-------------|------------|------------|-------------|-------------|-------------|------|
| caagcaagct | gcctgctcag | atggcagggg | atgggggaaa | acaggggagac | agtttccctgt | 60 |
| ttgagatggt | gggagatgct | tcgagtagta | tattttactgg | aaatagacat | tcaacttgga | 120 |
| tgteccctttt | tggaaatgtg | cctgcgtcca | gggctgggtt | ggggcccat | tgaacttttg | 180 |
| ctctgacaca | gctgttgcca | cactcaacgg | aactgaatct | atgtttgtct | tccccggcat | 240 |
| ccttcacccc | aactctcccc | gccacaacat | acatcccatg | ccagcctggg | gaccctcaaa | 300 |
| ggtggcttca | tcattaggtt | tgtggctggg | tcctactgaa | gtaagtcttg | gcactcagag | 360 |
| ggataggaat | tgaatgaaga | catgagattc | ctctgcggga | ggcctctcta | ggaaatctgt | 420 |
| ggactcacac | gtttactaat | gttgctgcag | ccccgcaccc | accttggcct | tgggcagcca | 480 |
| tactctaggg | cttttgtaac | ctctccatgt | gaggaaactca | aattagacct | gggtttggag | 540 |
| gcggtgctcc | gagctggcct | ttgggggagg | ttttgtgcga | ggcatttccc | aagtgtctggc | 600 |
| aggatttgtt | cacagacaca | gagtaaaact | ttgctgggct | ccaagtgacc | gccccatgtt | 660 |
| tattataaag | gtgactgcac | cctgcagcca | ccagcactgc | ctggctccac | gtgcctcctg | 720 |
| gtctcagtat | ggcgtgtctc | tgggttctta | cagtcctgag | cctcctacct | ctgtgggaag | 780 |
| cccagatccc | attgtgtgcc | aacctagtag | cgggtgccc | caccaacgcc | accctggacc | 840 |
| ggatcactgg | caagtggttt | tatatcgcat | cggccttttcg | aaacgaggag | tacaataagt | 900 |
| cggttcagga | gatccaagca | accttctttt | acttcacccc | caacaagaca | gaggacacga | 960 |
| tctttctcag | agagtaccag | acccgacagg | accagtgcac | ctataacacc | acctacctga | 1020 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| atgtccagcg | ggaaaatggg | accatctcca | gatacgtggg | aggccaagag | catttcgctc | 1080 |
| acttgctgat | cctcaggac | accaagacct | acatgcttgc | ttttgacgtg | aacgatgaga | 1140 |
| agaactgggg | gctgtctgtc | tatgctgaca | agccagagac | gaccaaggag | caactgggag | 1200 |
| agttctacga | agctctcgac | tgcttgcgca | ttcccaagtc | agatgtcgtg | tacaccgatt | 1260 |
| ggaaaaagga | taagtgtgag | ccactggaga | agcagcacga | gaaggagagg | aaacaggagg | 1320 |
| aggggggaatc | ctagcaggac | acagccttgg | atcaggacag | agacttgggg | gccatcctgc | 1380 |
| ccctccaacc | cgacatgtgt | acctcagctt | tttcctcac | ttgcatcaat | aaagcttctg | 1440 |
| tgtttggaac | agctaaaaaa | aaaa | | | | 1464 |

<210> 7635

<211> 937

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (387)...(634)

<223> similar to gi2772565 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7635

| | | | | | | |
|------------|-------------|-------------|------------|------------|------------|-----|
| caaaaatgta | aaattagcca | ggcgtggggg | catatgcctg | taatcctagc | tacgtgggag | 60 |
| gttgaggcag | gaagatcact | tgagcccagg | agtttgaggt | tgacgtgagc | tatgattgtg | 120 |
| ccactgtatt | ccagcctggg | cagcagagtg | agatgctatt | tcaaaaaaat | aaagtaaatt | 180 |
| aaaaaaaaat | aagagccttt | gatggcaaat | gtagaaaaaa | tatgtaaata | aaaacatttg | 240 |
| cacttttaaa | taggtcatcc | tgtcccaaag | aggtagtgtt | tcccccaata | cccacagccc | 300 |
| ctcacacagg | cgtgtgcgca | cacactcacg | gctcatggat | cctgttttgg | tgaaccggac | 360 |
| tgacttcttc | ttgcctgccca | ctccagggtga | tgatgaccaa | acggaccaa | gacatgggca | 420 |
| agttcagttc | tgtcaccgtg | tctaccattg | atgaagagga | agaggagatt | gaggctaggg | 480 |
| aagttgctga | ctcatatgca | cagaatgccca | aagtgattga | aaaacagctg | gagcgcaaag | 540 |
| gcatgagcaa | gaggcgactg | caagagctgg | ctgaattgga | agccaagaaa | gcgaaaatga | 600 |
| aggggacctt | gattgacaac | cagttcaaat | aaccaggcct | ttttctaagc | cctagactag | 660 |
| aggcaagcat | ttagatcagg | aggcaaagta | atttcttgat | tacatagacg | gattcctatt | 720 |
| tatgccctag | cagaaggctt | tacgttggtt | cccattgatt | ctcctacatt | cagtgaggtc | 780 |
| tttaactgag | tccatttaac | ttgctttctt | tttttttttg | gaaacaaagc | tttgtttttt | 840 |
| cccccaggag | ggagggcagg | gggctaaaat | ggccccactg | aacccccacc | ctctagcctg | 900 |
| gggaaaaaat | tgagactttg | tctttttcaa | aaaaaaa | | | 937 |

<210> 7636

<211> 1609

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (177)...(1078)

<223> similar to gil922935 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7636

| | | | | | | |
|------------|------------|-------------|-------------|------------|------------|------|
| tccgtagtgg | gctaaggggg | aggggtttcaa | agggagcgca | cttccgctgc | cctttctttc | 60 |
| gccagcctta | cgggcccgaa | ccctcgtgtg | aaggggtgcag | tacctaagcc | ggagcggggt | 120 |
| agaggcgggc | cggcaccccc | ttctgacctc | cagtgcgcgc | ggcctcaaga | tcagacatgg | 180 |
| cccagaactt | gaaggacttg | gcgggacggc | tgcccgcggg | gccccggggc | atgggcacgg | 240 |
| ccctgaagct | gttgctgggg | gccggcgccg | tggcctacgg | tgtgcgcgaa | tctgtgttca | 300 |
| ccgtggaagg | cgggcacaga | gccatcttct | tcaatcggat | cgggtggagt | cagcaggaca | 360 |
| ctatcctggc | cgagggcctt | cacttcagga | tcccttggtt | ccagtacccc | attatctatg | 420 |
| acattcgggc | cagacctcga | aaaatctcct | cccctacagg | ctccaaagac | ctacagatgg | 480 |
| tgaatatctc | cctgcgagt | ttgtctcgac | ccaatgctca | ggagcttcct | agcatgtacc | 540 |
| agcgccctag | gctggactac | gaggaacgag | tgttgccgtc | cattgtcaac | gaggtgctca | 600 |
| agagtgtggt | ggccaagttc | aatgcctcac | agctgatcac | ccagcggggc | caggtatccc | 660 |
| tgttgatccg | ccgggagctg | acagagaggg | ccaaggactt | cagcctcatc | ctggatgatg | 720 |
| tggccatcac | agagctgagc | tttagccgag | agtacacagc | tgctgtagaa | gccaaacaag | 780 |
| tggcccagca | ggaggcccag | cgggcccatt | tcttggtaga | aaaagcaaag | caggaacagc | 840 |
| ggcagaaaat | tgtgcaggcc | gaggggtgagg | ccgaggctgc | caagatgctt | ggagaagcac | 900 |
| tgagcaagaa | ccctggctac | atcaaacttc | gcaagattcg | agcagcccag | aatatctcca | 960 |
| agacgatcgc | cacatcacag | aatcgtatct | atctcacagc | tgacaacctt | gtgctgaacc | 1020 |
| tacaggatga | aagtttcacc | aggggaagt | acagcctcat | caagggtaag | aaatgagcct | 1080 |
| agtcaccaag | aactccaccc | ccagaggaag | tggatctgct | tctccagttt | ttgaggagcc | 1140 |
| agccaggggt | ccagcacagc | cctaccccgc | cccagtatca | tgcatgggtc | ccccacaccg | 1200 |
| gttccctgaa | cccctcttgg | attaaggaag | actgaagact | agcccccttt | ctggggaatt | 1260 |
| actttctctc | tccctgtgtt | aactggggct | gttggggaca | gtgcgtgatt | tctcagtgat | 1320 |
| ttcctacagt | gttgttccct | ccctcaaggc | tgggaggaga | taaacaccaa | cccaggaatt | 1380 |
| ctcaataaat | ttttattact | taacctgaaa | aaaaaaaaaa | agggggggcc | gttttaagaa | 1440 |
| atcaaatttt | acttccccgg | gcttgcaagg | taatagtttt | tttatggggc | cacctaaatt | 1500 |
| aaattccccg | gccgggtttt | aacaacgtgg | ggaggggaaa | aaccctgggg | taaccaaatt | 1560 |
| taatcgcttt | gaaaaaaatc | cccttttcgc | cagggggggg | aaaaaaaaaa | | 1609 |

<210> 7637

<211> 1945

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (29)...(714)

<223> similar to gi488750 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7637

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|-----|
| ggcacgagaa | cagatcagac | atthttgtaat | gatgcctgaa | ataaacacta | accacctoga | 60 |
| caagcaacag | gttcaactcc | tggcagagat | gtgtatcctt | attgatgaaa | atgacaataa | 120 |
| aattggagct | gagaccaaga | agaattgtca | cctgaacgag | aacattgaga | aaggattatt | 180 |

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|------|
| gcacgagct | tttagtgtct | tcttattcaa | caccgaaaat | aagcttctgc | tacagcaaag | 240 |
| atcagatgct | aagattacct | ttccagggtg | ttttacgaat | acgtgttgta | gtcatccatt | 300 |
| aagcaatcca | gccgagcttg | aggaaagtga | cgcccttgga | gtgaggcgag | cagcacagag | 360 |
| acggctgaaa | gctgagctag | gaattccctt | ggaagagggt | cctccagaag | aaattaatta | 420 |
| tttaacacga | attcactaca | aagctcagtc | tgatggtatc | tgggggtgaac | atgaaattga | 480 |
| ttacattttg | ttggtgagga | agaatgtaac | tttgaatcca | gatcccaatg | agattaaaag | 540 |
| ctattgttat | gtgtcaaagg | aagaactaaa | agaacttctg | aaaaaagcag | ccagtgggtga | 600 |
| aattaagata | acgccatggt | ttaaaattat | tgcagcgact | tttctcttta | aatggtggga | 660 |
| taacttaaat | catttgaatc | agtttggtga | ccatgagaaa | atatacagaa | tgtgaatatg | 720 |
| taggtaaatg | attacagaaa | aatttatctg | cttaacaaac | ttagaatgac | tttttccttt | 780 |
| taaatttagt | tctatcatta | atttatcatt | aaatttagtt | ctatcatttg | gtactatcat | 840 |
| taatgtatta | tatacactga | tactttaaaa | cttgtgtgga | aaaaactaac | ttataatttt | 900 |
| gtatcacaca | ccctggatat | gtgttctggt | tctaagcgac | atttgtgaga | gattattgta | 960 |
| aaatgagagc | gagcaaataa | aacttaattt | aatctttgca | gatacatact | tatgggaaat | 1020 |
| ttgaacaaat | gagtgaact | ctgtgttttt | agtaggctgt | gataaacatt | tccggagcac | 1080 |
| ttgcagagga | cttgctattt | gccagggtgt | ttatgtatca | ttaaattttt | ctcatagttc | 1140 |
| agaaaaatgt | gcaaaggaaa | ctattgtctc | gtccttcaa | aacagtctta | attaactttc | 1200 |
| atattagcag | attaaactag | cagagcaggt | tcaaggga | ttaaatgata | tggaccctaa | 1260 |
| tttgtatcat | tctgagttga | ttgtgtggtt | tattcattct | ggaaacatgt | tgatacttac | 1320 |
| agtcagccac | tgtttttgat | aagtgatatt | gattaggttg | aatcttcttg | taaatagtat | 1380 |
| ttaccagtta | gcaaagtctg | tgttttcaga | attacagtga | gcacagaggt | gttcataaaa | 1440 |
| tgggaattga | gtccactctg | gtaagagttg | cttaaaactg | acactgttga | catttgggct | 1500 |
| ggataaaacc | cctgtgggtg | ggtctgtgct | gtgcattgca | ggatggtgag | cagcgtccct | 1560 |
| ctcatgtgac | accacagtt | atgccggatg | ttgccagatg | cccctagggg | acagagtcaa | 1620 |
| cccccaactg | aggaccactg | tcctacagag | tcaggaaata | ttgtagggag | aaaaaaataa | 1680 |
| caacaacaaa | ggcctgtgtt | aatgttaaat | agatgagatt | atggaatgtg | tatattaatg | 1740 |
| ttaaaaattg | taccttgatc | aatgtacttt | ttataaaact | gccatagata | tctcagattt | 1800 |
| gaaacctcaa | gacagattta | ttattcttaa | atgctgtatg | ataatgaaga | aaaataaaaa | 1860 |
| tttatttctt | gcaaagttaa | atgtttgtta | aaattcaata | ggaatgactc | attttatggg | 1920 |
| ttaacttttg | ggcaatttat | aattt | | | | 1945 |

<210> 7638

<211> 2288

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (314)...(916)

<223> similar to gi4559310 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7638

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|-----|
| ggggttattg | aggaacatgg | cgttgctggt | gcgagtcctt | aggaaccaga | ctagcatttc | 60 |
| tcagtgggtt | ccagtatgca | gccgattgat | acctgtgtct | cctacccaag | gacaggggga | 120 |
| caggggtctg | tctcgactt | cccagtggcc | ccagatgagc | cagtccaag | catgtggtgg | 180 |
| atcagaacag | attcctggaa | tagacataca | gctgaatagg | aagtatcaca | ccacacgtaa | 240 |
| gctttctact | accaaagatt | ccccacagcc | tgttgaggag | aagggttggtg | ctttcacaaa | 300 |
| gataatagaa | gccatgggat | tcacgggacc | tttgaaatag | agtaaatgga | agattaagat | 360 |
| tgcgccctg | cgcatgtata | ctagctgtgt | ggagaaaact | gacttcgagg | aattctttct | 420 |

| | | | | | | |
|------------|-------------|------------|------------|-------------|------------|------|
| aaggtgtcag | atgcctgata | cattcaattc | atggtttctt | ataaccctac | tccacgtctg | 480 |
| gatgtgtcta | gtccgaatga | agcaggaagg | cggagtgagg | aagtacatgt | gtcgtatcat | 540 |
| agttcatttt | atgtgggagg | atgttcagca | gcgcggcaga | gtcatggggg | ttaatcccta | 600 |
| tatcctgaag | aagaacatga | tcctcatgac | aatcatttc | tatgcagcga | tcttgggata | 660 |
| tgatgagggg | atcctttcag | atgatcatgg | gctggccgct | gccctctgga | gaaccttctt | 720 |
| caaccggaaa | tgtgaagacc | ctcgacatct | tgaattgctg | gtagagtatg | tgaggaaaca | 780 |
| gatacagtac | ctggactcca | tgaacgggga | ggatctgctt | ctgacagggg | aggtgagctg | 840 |
| gcgccctcta | gtggagaaga | atcctcagag | catcctgaag | ccccattctc | cgacttacia | 900 |
| cgacgaggga | ctttgatggg | ctgggccctc | cgcacggccc | gccagctggc | ttcgaggaa | 960 |
| ctccaggaga | gaagtgcctg | ttggtccagg | accctgcaga | aagtggcctg | aactgacctc | 1020 |
| tgaacagcat | ctgtcaaata | cctggcccca | tttgtgttga | gtttcctctt | agtgtgcccc | 1080 |
| ggagtctgat | ctgtgggggt | acagggctgg | gagaacctct | agctctccc | gggggtctc | 1140 |
| tcccttaggg | gaagccccga | gcagagagtc | ccccagcaca | cactccccca | accccccca | 1200 |
| acaactacat | gtgactgata | gcttttccca | aaggccaagg | aaggggatgg | ggtaggtttc | 1260 |
| aaaagggaaa | ccccccaggg | gcctgctgtg | ggcttaggga | gcagattgta | atgctgccga | 1320 |
| gtccggtcgg | tgaccacgcg | ttgtccctcg | gctttcagcc | atgggggtga | gttggccatt | 1380 |
| aaaagaaaca | gagacttctc | tctgccatgg | cccttcttta | ttccagggac | ttagaaactt | 1440 |
| gcctgagatg | gtggacgcag | taatgagggc | accgcgcagc | tcagttagag | acggagaaa | 1500 |
| ggaagaggct | gggatggtct | ctgctgctct | tgcctctagt | tcattggagat | gtgtctctgt | 1560 |
| tcaggccaag | atacagccag | ccaggcctgt | cgtctgggac | ccaggaggcc | tctgatgacc | 1620 |
| aagggccttc | acatcctaag | tcatttgga | ggaggccttg | agaacaaagt | cacctttgtc | 1680 |
| actcccagtg | aactgaatga | ggaacatgct | gtctcctgtc | ttggcctccc | ctttcatgag | 1740 |
| atactgggga | gaagagaaca | ttcctcctgg | cttagttgta | gcagaccag | acctgtgccc | 1800 |
| agctttggtc | ccccttccca | acttctgaag | cacgtgctgc | agagccacct | tggtctgagc | 1860 |
| acctgaggac | cagccccctc | tcctcagtg | cgggtcatct | cttgggggat | tttcttaaag | 1920 |
| tgaagaaaag | gggtggggaa | ccatattgcc | cctccctccc | ccatcaaact | tccttcattt | 1980 |
| aacttgctat | aaaatgagtc | atataaagaa | actctatatg | ggtgaggtat | atcccacttc | 2040 |
| tgtgaaaaca | ttacaaatca | aaccgcttct | ctcagtttat | ttaagatgct | tttgttgcca | 2100 |
| gcggagctct | agagtgaagc | ctcctgtgtg | tgtgtgagat | aataacacct | tgtaactcat | 2160 |
| tacagctggg | cactattttac | ataaaccaga | gctgagccag | gcaggaattt | gctgattaat | 2220 |
| ttatttttaa | tggagtgaag | tataccatgc | accaaataa | actttactgt | gtgtacctaa | 2280 |
| aaaaaaaa | | | | | | 2288 |

<210> 7639

<211> 2035

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1935)...(1046)

<223> similar to gil78661 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7639

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| gaggaacgca | gggtgtcacg | cctgtttcag | tttccccaag | attcacgctg | aaaacgcccc | 60 |
| tctcccaagt | gatggcgttg | ggaagtgggg | gtctttggga | gtcatgaggc | ctcatggatg | 120 |
| ggatcagtg | ccttacagaa | aggactccag | agagcaccct | ggcctcatcc | atcatctgag | 180 |
| gacacacagg | gagaaggcgc | catctagaag | ccaggaactg | ggtactcacc | agagactgaa | 240 |
| tctaccatac | cttggttttc | tgggacctcc | agcctccaga | gctgagacat | gagatcatac | 300 |

| | | | | | | |
|------------|-------------|------------|-------------|------------|-------------|------|
| aaatgctctc | agagagggta | cagtaagtgc | aggtgccctg | gggtcctcca | gcatttatca | 360 |
| gggagcccgg | ctacacttct | gccagccttg | gtttctaccc | cccacctctt | cccagctgtg | 420 |
| accctgccct | ctgtgccccca | ggggtgctgg | ggaggaggca | gcactgcaga | ccaggaacgt | 480 |
| gggccagcca | cgggcagagc | gtggccccat | ctgcgtcccg | tgggcccagc | gcccattctcc | 540 |
| agaccccagg | ccgccctgtg | ggagaggtgc | gtggccaggc | aggaggacct | ctgcgtcctc | 600 |
| tgtttattgt | tttgacagcag | gaggcccaac | atagaacata | ctcgccagta | ctcggtctgtg | 660 |
| caaaacaggg | gctagcgtctg | aagtacaaat | gggaaaacgt | gattcttttg | ttttaaataa | 720 |
| atacttagaa | cacgacttgg | ctcctacaag | catctggact | ctaggtctca | gtactggagt | 780 |
| gtctcaccca | tgggccccac | gcagggacgc | cacggttccc | tcccaccccg | tgatcaagac | 840 |
| acggaatcgg | ctgccgatgg | ttggatcgca | atgcgccccct | tttctagagc | cttccccggc | 900 |
| catctacagg | caggatgcgg | ctgggaaaaa | gacaactgga | atttctcgaa | ggttgatggt | 960 |
| ccgcacgggt | gaggattcta | cgtggttctc | ttggttcccc | tgggtgtgtg | gtgtgtgtgg | 1020 |
| aggaggccgc | ggcccttaga | tcaccttctt | gagctcgtcg | tacaggacca | gcacgaaggc | 1080 |
| gccccccatg | ccccgcagga | cgttggacca | cgcacccttg | aagaaggcct | tgccccctc | 1140 |
| atctctgaag | atcttctctc | aacagtgcac | ggtgcccggtg | tacatgatgt | cagctccttt | 1200 |
| gcgcccggac | tgcacatcat | tgcgcgcgcg | caccgtgtcg | aaggggtagg | acaccacgcc | 1260 |
| ggccacggcc | gtcacgggtct | gcgcgatcat | ccagctcacc | acgatgtgcg | tgttcttggg | 1320 |
| gtcggggagc | atgcccttgg | ccgtatcgta | cacgccgaag | taggccgccc | ggtagatgat | 1380 |
| gatgccctgc | acggagacac | tgaagccctg | gtacaggccc | cggatgccgt | cggacttggg | 1440 |
| gatcttcacc | aggcagctct | ccaggcctcg | gaactcgcgc | tctgtgcctg | actttcccac | 1500 |
| gtccgctgcc | aggcgggttc | tggcgaaatc | cagcgggtac | acgaagcaga | gggaggctgc | 1560 |
| gccggccgca | ccgccggagg | ccaggttgcc | cgcaaagtac | ctccagaact | gcgtgtgctt | 1620 |
| gtccacgccc | cccaggaaga | tctgcttgta | cttatccttg | aaggcgaagt | tgagggcttg | 1680 |
| agtggggaag | tagcgaatga | cgttggcaag | gttgccccctc | cagaaggaca | gcacgcctcg | 1740 |
| ctccttgggg | atgcggacaa | tgcagtccac | gatgcccttg | tactgcttgt | cggcggcgat | 1800 |
| ctgcttgctg | gcgtgctgga | cctgcagcag | cagcttgacc | cgctcgatcg | gagccacggc | 1860 |
| cgtcttgagg | atggcggcgg | cgatgcctcc | ggccaagaag | tctttggcga | aggagatggc | 1920 |
| ctgttccgtc | atggtggcag | ggcgggcagc | ggaacgggag | gacagccgga | gaacgggcgc | 1980 |
| ggagagtga | tggagggcgt | cgctggctca | gccctgcgcg | cgccggacgc | gtggg | 2035 |

<210> 7640

<211> 1704

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (131)...(1259)

<223> similar to gil724056 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7640

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|------------|------------|------------|------------|------------|------------|-----|
| ttgacgctgc | tgaatccgcc | gagcaccctt | ggcgtaacac | cgcgggccgt | caggggctgc | 60 |
| ggccccgggc | tgcgccctcc | cccgcggcca | ggctctggag | ggacccagga | gctgccgccc | 120 |
| gcctcagccc | atggccccga | ggtatgatga | gctgccgcac | taccagggca | tcgtggatgg | 180 |
| ccccgcagcc | ctggctagct | tcccagagac | agtgcccgca | gtaccagggc | cctatggccc | 240 |
| gcaccggcct | ccccagcccc | tgcccccagg | cttgacagc | gacggcctga | agaggagaaa | 300 |
| ggatgagatc | tatggacacc | cgtcttcccc | cctcttggcc | ctggtctttg | agaaatgtga | 360 |
| actggctaca | tgtcttcccc | gtgacggggc | cggagctggg | ctggggacac | cccctggagg | 420 |
| tgacgtctgc | tcctctgatt | ccttcaacga | ggacatcgct | gcctttgcc | agcaggttcg | 480 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| ctctgagagg | cccctcttct | cctccaaccc | agaactggac | aatctggtga | tccaggccat | 540 |
| ccaggtgctg | cggttccacc | tgctggagct | ggagaaggtc | cacgacctgt | gcgacaactt | 600 |
| ctgtcaccgc | tacatcacct | gcctcaaggg | aaagatgccc | atcgacctgg | tcatcgagga | 660 |
| tcgggacggc | ggctgcaggg | aggacttcga | ggactaccca | gcctcctgcc | ccagcctccc | 720 |
| agaccagaat | aatatgtgga | ttcgagacca | tgaggatagt | gggtctgtac | atttggggac | 780 |
| cccaggtcca | tccagtgggg | gcctggcctc | ccagagtggg | gacaactcca | gtgaccaagg | 840 |
| agacgggctg | gacaccagcg | tggcctctcc | cagttctggt | ggagaagatg | aggacttgga | 900 |
| ccaggagcga | cggcgaaaca | agaagagggg | gatcttcccc | aaggtggcca | ccaacatcat | 960 |
| gcgagcctgg | ttgttccagc | acctctcgca | cccgtacccc | tcggaggagc | agaagaaaca | 1020 |
| gctggcgag | gacacggggc | tcaccatcct | gcaagtcaac | aactggttca | ttaacgcccg | 1080 |
| gagacgcata | gtgcaaccta | tgatcgatca | atccaaccgc | acagggcagg | gtgcagcctt | 1140 |
| cagcccagag | ggccagccca | tcgggggcta | taccgagacg | cagccacacg | tgcccgctcg | 1200 |
| gcctccggga | tcagtgggga | tgagtttgaa | cttggaagga | gaatggcatt | atctatagag | 1260 |
| gctgatgcag | gagagaccca | gcctccggct | gtgaccccca | gcctcacacc | tgctctggt | 1320 |
| tccgcctgg | tcctccagct | tcaggacccc | acctccaaag | gcccctctgc | tcaatgccta | 1380 |
| cctccctagg | gccctgctgg | gacatggggg | cctgagtgcc | catccaaggg | ctctcaagga | 1440 |
| caccggcaag | gcctccaggc | cctgagcccc | acttctgcct | tcacctctgc | ctgggacccg | 1500 |
| agctgggctc | ctgggccttg | gtccccagaa | gatggcggt | agggcctcgc | cgccaggaca | 1560 |
| gagaagggac | ggggtggctg | ggcagtcagg | gaaggagggt | cgcccgatc | cgacattttg | 1620 |
| gagagattcc | ttcactctcc | tgtccccct | acctcccttc | tctaatttct | tctttttttt | 1680 |
| aatgataaag | tcttaaaaac | acgg | | | | 1704 |

<210> 7641

<211> 1440

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (364)...(1441)

<223> similar to gil724056 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7641

| | | | | | | |
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| cctgcgggtcc | ccggtgtgtc | cgtctcgga | cggttcgatt | ccctccagag | ccggggaagg | 60 |
| gacggggggg | gccagagaa | gggggcctcg | ggcgcccgcc | ctgcgcctgc | tgcccccgcc | 120 |
| ccggcggtaa | tgcgtcctg | cccgtgaccc | ccgctggggg | cgggggccgg | ggtccatgcg | 180 |
| cggagtcccc | accgcggccg | gcgcctgccg | ctaacgacgg | cggggggtggg | ggggcgcgcg | 240 |
| cctgacctcc | tgcccacacc | ctggcgtcaa | caccgcgggc | cgtcaggggc | tgcgggccccg | 300 |
| ggctgcgccc | tccccgcggg | ccaggctctg | gagggaccca | ggagctgccg | ccggcctcag | 360 |
| cccattggccc | ggaggatatga | tgagctgccg | cactaccag | gcatactgga | tgggccccgca | 420 |
| ggcctggcta | gcttcccca | gacagtggcc | gcagtaccag | ggccctatgg | cccgcaccgg | 480 |
| cctccccagc | ccctgcccc | aggcttggac | agcgacggcc | tgaagaggga | gaaggatgag | 540 |
| atctatggac | accgcgtctt | ccccctcttg | gccttggctt | ttgagaaatg | tgaactggct | 600 |
| acatgctctc | cccgtagcgg | ggccggagct | gggctgggga | caccccctgg | aggtgacgtc | 660 |
| tgctcctctg | attccttcaa | cgaggacaac | actgcctttg | ccaagcagggt | tcgctctgag | 720 |
| aggccccctc | tctcctccaa | cccagaactg | gacaatctga | tgatccaggc | catccaagtg | 780 |
| ctgcgggtcc | acctgctgga | gctggagaag | ggaaagatgc | ccatcgacct | ggtcatcgag | 840 |
| gatcgggatg | gcggctgcag | ggaggacttc | gaggactacc | cagcctcctg | ccccagcctc | 900 |
| ccagaccaga | ataatatatg | gattcgagac | catgaggata | gcgggtctgt | acatttgggg | 960 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| accccaggtc | catccagcgg | ggggctggcc | tcccagagt | gggacaactc | cagtgaccaa | 1020 |
| ggagtcgggc | tggacaccag | cgtggcctct | cccagttctg | gtggagaaga | tgaggacttg | 1080 |
| gaccaggagc | cacggcgaaa | caagaagagg | gggatcttcc | ccaaggtggc | caccaacatc | 1140 |
| atgcgagcct | ggttgttcca | gcacctctca | caccctgacc | cctcggagga | gcagaagaaa | 1200 |
| cagctggcgc | aggacacggg | gcttaccatc | ctgcaagtca | acaactgggt | cattaatgcc | 1260 |
| cggagacgca | tcgtgcaacc | tatgatcgat | caatccaacc | gcacagggca | gggtgcagcc | 1320 |
| ttcagcccag | agggccagcc | catcgggggc | tataccgaga | cagagccaca | cgtggccttc | 1380 |
| cgggctccag | catcagtggg | ggatgagttt | ggaactcgga | aggaggaatg | gcattatcta | 1440 |

<210> 7642

<211> 2404

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2043)...(665)

<223> similar to gi4092859 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7642

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|-------------|-------------|-------------|-------------|-------------|-------------|------|
| tttttttttt | ttatgtactt | ggcctctctc | ctgacgcctc | acaccattaa | gcatggagaa | 60 |
| aagggaaaaa | gggcaaagga | agtcaaaaaa | ctgaactagg | attcgggcaa | cagcctcagg | 120 |
| ctgccaaca | gaacaggctt | ttagggaact | ggacacacag | accagctgtg | accctgactt | 180 |
| tcacattgat | gggtgaatgg | caagtaggag | gtaatgaaat | ctggaaatga | caggggagag | 240 |
| aaggcaaagc | tgcctggagt | gtcagtcccg | gaggcatttg | cccctctccc | ccgggggcca | 300 |
| gccagggact | tcccagttca | ggaaggccac | aacacttggt | gcacattaat | tccgagcttg | 360 |
| gcccggcttc | tttctgtgct | cctctgcctc | tgtgggcagg | ggaaggagga | aggggtgtgt | 420 |
| cccttaggat | ctccaagtgc | tcttcagct | cccaggagca | gggctgagat | cccagagtca | 480 |
| gtgcaatgaa | ctgtccattc | cagtgaggaa | aagggagggt | gtggcttcgg | gactgcacat | 540 |
| cacacacaag | cccactgcag | cgtggggagg | gtgggcatgg | gacacaaaag | ggtctggggc | 600 |
| tgtctccaga | cagagaagtc | cttgtgggga | gctgaaccgg | gccaggtcc | tgctcaggag | 660 |
| tcagggtcatg | tagcgggtga | tggcacggag | ggcgtacagc | agagcggctt | gcatgcgcgc | 720 |
| ctccaggagc | agcaagttca | cgtggacctt | ctctgagtgg | cggaagtgcc | tccagaagag | 780 |
| gttgtagatt | cttcgggtgg | tcttctctgg | gtagcaggcc | actgtcttga | tatagacctt | 840 |
| gaggttccgc | tccaggagct | ggttcacctc | cccataatca | tagtcatcat | atctgatgcc | 900 |
| aaagacgcag | tggatatagt | tccagatggc | cctgcggagc | acggagggtgt | ccacaccact | 960 |
| gtgcatggcg | atggtattgt | aggtgaggct | ataggctgcc | tggaaacttct | catccagcag | 1020 |
| ctgcccaccc | tcagggtaaa | gccgctggat | cagcgagtag | ccatggctctt | cccagggtata | 1080 |
| atcctggggc | cggaaggtag | ggggtgcctg | agccccctctc | cgagtgaagt | cctcatatcc | 1140 |
| gaaagtaggg | tcttcacaa | agcacagcat | gtctgggtgt | ggagagggct | ccaggatgtc | 1200 |
| agctgagggg | gtcaccagca | ggctctctga | cttctccagc | tcaaagcggc | tctccatctc | 1260 |
| ctcctgggac | gtccccctcat | cccgcagcag | gctctcctgc | agctgctgca | tgcgtcccat | 1320 |
| cagcgccctc | acgtgcggcg | cagactcaaa | gccccagag | ttgttcaacg | ggtccctgct | 1380 |
| tggggggctg | ctctgttcac | taggggtgtg | aggtgcctgg | ggggcagggc | tgccatctgc | 1440 |
| atccccctca | gggaggatgc | cacagccaaa | cacgaaggag | gagagcgagt | ggcagtgggt | 1500 |
| gagcaggacc | agagcctgaa | tgagctcggc | cagggaccaaa | gtgtgctcgc | cggctctcag | 1560 |
| caaggcctgg | atgtgttctt | tggatgatgag | ccatggccga | tgccgcagca | acttgttgat | 1620 |
| ctcgtgagtg | ttgcgcagct | tctcgggggc | ccggtggagg | cccagcagcc | actcagggtc | 1680 |
| accaccagtc | tgcagaaact | cggccatgtg | ggagcctacc | aggtagaagac | actgatggcg | 1740 |

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|------|
| ggcggcagcc | atgatggcaa | tgtagtggcg | ccaggagctg | gccaaaggac | catccgtgtg | 1800 |
| cagcagcagg | tagtgcaggc | gccagaagct | ggtaaagtag | tcaggggtgca | ggcccatcac | 1860 |
| cactgccagg | ttgtctactc | gcccagagga | catcagtgcc | tccagcccca | ggtgctgtctc | 1920 |
| gaggctctca | gccccctccc | gaaggacctc | ctccacgggg | atgaaggcgc | tgggccctcg | 1980 |
| agggcctcgc | cgagcccggc | tctccctctg | ctcctctccg | gggcccagag | cgcgcacgcc | 2040 |
| gcccggggcg | aaccgcaggt | agtccttgag | ctctgcgcgg | cactcggagt | ccgccacgat | 2100 |
| catggtgcgc | gccaggaccc | ggtcgcggct | cgccgacgac | ccgtgcaccc | gagtgggttt | 2160 |
| cggagggacc | gcccgaatg | aagccgggac | tgggcgcgcg | cggggagctt | ctagaacccc | 2220 |
| ggggcgtctc | tcggggctcc | agaacgctcc | ggaatccgag | aacggccgct | ttggtgctgg | 2280 |
| actctccccc | cagtcgggct | tcgggaacgg | cgaaacgcct | cgggggcctg | ggaagggccg | 2340 |
| cagcgcaggg | gttttcacgg | cctcggaagt | ccgcaggggc | cagggtgctg | cccggaccca | 2400 |
| gcgc | | | | | | 2404 |

<210> 7643

<211> 3797

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2810)...(3031)

<223> similar to gi2970637 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7643

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| cagcagtgtg | tcggagctct | atggagggtg | cagcgggtac | cgagtggcgg | ctgcagcagc | 60 |
| gactcctctg | agctgagttt | gaggccgtcc | ccgactcctt | cctccccctt | ccctccccct | 120 |
| tttttttgtt | ttccgttccc | ctttcccctc | ccttccctat | ccccgacgac | cggatcctga | 180 |
| ggaggcagct | gcggtggcag | ctgctgagtt | tctcggtgaa | ggtatttcat | ttctactgtc | 240 |
| ccctccccct | cccaccccat | ctattaatat | tattcttttg | aagattcttc | gttgtcaagc | 300 |
| cgccaaagtg | gagagtgcga | ttgcagaagg | gggtgcttct | cgtttcagtg | cttcttcggg | 360 |
| cggaggagga | agtaggggtg | cacctcagca | ctatcccaag | actgctggca | acagcgagtt | 420 |
| cctggggaaa | acccagggc | aaaacgctca | gaaatggatt | cctgcgcgaa | gcactagacg | 480 |
| agatgacaac | tccgcagcaa | acaactccgc | aaacgaaaaa | gaacgacatg | atgcaatctt | 540 |
| caggaaagta | agaggcatac | taaataagct | tactcctgaa | aagtttgaca | agctatgcct | 600 |
| tgagctcctc | aatgtgggtg | tagagtctaa | actcatcctt | aaaggggtca | tactgctgat | 660 |
| tgtggacaaa | gccctagagg | agccaaagta | tagctcactg | tatgctcagc | tatgtctgcg | 720 |
| attggcagaa | gatgcaccaa | actttgatgg | cccagcagca | gagggtcaac | caggacagaa | 780 |
| gcaaagcacc | acattcagac | gcctccta | tcccaaatta | caagatgaat | ttgaaaaccg | 840 |
| aactagaaat | gttgatgtct | atgataagcg | tgaatatccc | ctcctccccg | aggaggagga | 900 |
| acagagagcc | attgctaaga | tcaagatgtt | gggaaacatc | aaattcattg | gagagcttgg | 960 |
| caagcttgat | cttattcacg | aatctatcct | tcataagtgc | atccaaacac | ttttggaaaa | 1020 |
| gaagaagaga | gtccaactcc | aagatatggg | agaggatttg | gagtgcctct | gtcagataat | 1080 |
| gaggacagtg | ggacctagat | tagaccatga | acgagccaag | tccttaatgg | atcagtactt | 1140 |
| tgcccgaatg | tgctccttga | tgtaaagtaa | ggaatttgcca | gcaaggattc | gtttcctgct | 1200 |
| gcaggatacc | gtagagttgc | gagaacacca | ttgggttcct | cgcaaggctt | ttcttgacaa | 1260 |
| tggaacaaa | acgatcaatc | aaattcgtca | agatgcagta | aaagatctag | gggtgtttat | 1320 |
| tcctgtcctc | atggctcaag | ggatgagaag | tgacttcctt | ctggaggggac | cgttcatgcc | 1380 |
| acccaggatg | aaaatggata | gggacccact | tggaggactt | gctgatatgt | ttggacaaat | 1440 |
| gccaggtagc | ggaattggta | ctggtccagg | agttatccag | gatagatttt | caccacccat | 1500 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|------|
| gggacgtcat | cgttcaaadc | aactcttcaa | tggccatggg | ggacacatca | tgcctccccc | 1560 |
| acaatcgag | tttggagaga | tgaggaggaa | gtttatgaaa | agccaggggc | taagccagct | 1620 |
| ctaccataac | cagagtcagg | gactcttata | ccagctgcaa | ggacagtcga | aggatatgcc | 1680 |
| acctcgggtt | tctaagaaa | gacagcttaa | tgcagatgag | attagcctga | ggcctgctca | 1740 |
| gtcgttccta | atgaataaaa | atcaagtgcc | aaagcttcag | ccccagataa | ctatgattcc | 1800 |
| tcctagtga | caaccaccac | gcactcaaac | accacctctg | ggacagacac | ctcagcttgg | 1860 |
| tctcaaaact | aatccaccac | ttatccagga | aaagcctggc | aagaccagca | aaaagccacc | 1920 |
| accgtcaaag | gaagaactcc | ttaaactaac | tgaaactgtt | gtgactgaat | atctaaatag | 1980 |
| tggaatgca | aatgaggctg | tcaatgggtg | aagagaaatg | agggctccta | aacactttct | 2040 |
| tcctgagatg | ttaagcaaa | taatcatcct | gtcactagat | agaagcgatg | aagataaaga | 2100 |
| aaaagcaagt | tctttgatca | gtttactcaa | acaggaaggg | ataggcacia | gtgacaactt | 2160 |
| catgcaggct | ttcctgaatg | tattggacca | gtgtcccaaa | ctggaggttg | acatcccttt | 2220 |
| ggtgaaatcc | tatttagcac | agtttgacgc | tcgtgccatc | atttcagagc | tggtgagcat | 2280 |
| ttcagaacta | gctcaaccac | tagaaagtgg | cacccatttt | cctctcttcc | tactttgtct | 2340 |
| tcagcagtta | gctaaattac | aagatcgaga | atgggttaaca | gaactttttc | aacaaagcaa | 2400 |
| ggtcaatatg | cagaaaatgc | tcccagaaat | tgatcagaat | aaggaccgca | tggtggagat | 2460 |
| tttgaagga | aagggaactga | gtttcttatt | cccactcctc | aaattggaga | aggaactgtt | 2520 |
| gaagcaaata | aagttggatc | catccccctca | aaccatatat | aaatggatta | aagataacat | 2580 |
| ctctcccaaa | cttcatgtag | ataaaggatt | tgtgaacatc | ttaatgacta | gcttcttaca | 2640 |
| gtacattttc | agtgaagtaa | acccccccag | cgatgaaaca | gattcatcct | ctgctccttc | 2700 |
| caaagaacag | ttagagcagg | aaaaacaact | actactatct | ttcaagccag | taatgcagaa | 2760 |
| atttcttcat | gatcacgttg | atctacaagt | cagtgcctctg | tatgctctcc | aggtgcactg | 2820 |
| ctataacagc | aacttcccaa | aaggcatggt | acttcgcttt | tttgtgcact | tctatgacat | 2880 |
| ggaaattatt | gaagaagaag | ctttcttggc | ttggaaagaa | gatataaccc | aagagtttcc | 2940 |
| gggaaaaggc | aaggctttgt | tccaggtgaa | tcagtggcta | acctgggttag | aaactgctga | 3000 |
| agaagaagaa | tcagaggaag | aagctgacta | aagaaccagc | caaagcctta | aattgtgcaa | 3060 |
| aacatactgt | tgctatgatg | taactgcatt | tgacctaac | actgcgaaaa | ttcatccgc | 3120 |
| tgtaatgttt | tcacaatatt | taaagcagaa | gcacgtcagt | taggatttcc | ttctgcataa | 3180 |
| ggtttttttg | tagtgtaatg | tcttaatcat | agtctaccat | caaataattt | aggagtatct | 3240 |
| ttaatgttta | agatagtata | ttagcagcat | gcaattaatt | accatcataa | gttctcaagc | 3300 |
| agaggcagtc | tattgcaagg | accttctttg | tgccagttta | tcataaggctg | gttttaagtt | 3360 |
| agaaaactga | atagcaaac | tgaatactgt | aggaaatgca | ctttgctcag | taatacttga | 3420 |
| gttggtgcaa | tatttgatta | tccatttggg | tgttacagaa | aaattcttaa | ctgtaattga | 3480 |
| tggttggtgc | cgtaatagta | tattgcctgt | atttctacct | ctagtaattg | gctttatgtg | 3540 |
| ctagattttta | atatacttga | gcctgggcaa | gtgcacaagt | ctttttaaaa | gaaacatggg | 3600 |
| ttacttgac | aaaactgatc | agttttgaga | gatcggtta | gcccttgaag | tggtttttgt | 3660 |
| gggtgtgaaa | caaagtgtga | gaatttgaat | tggtccctcc | tattatagta | ttgaaattaa | 3720 |
| gtctacttaa | tttatcaagt | catgttcagt | ccctgatttt | atatacttgt | atctatcaat | 3780 |
| aaacattgtg | atacttg | | | | | 3797 |

<210> 7644

<211> 5800

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (581)...(2550)

<223> similar to gil098569 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7644

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| cctcaggatg | cactgtttgcc | agtcagcggtt | actcattttta | ttccctaggg | aacagtgggt | 60 |
| ttggtagaac | tctcttctaa | atctcttttt | catagaattt | aaattataaa | ttggtcattt | 120 |
| actgtttgtca | cacaatattg | cgttgctgaa | ttttccactg | attatattca | ttttatttcc | 180 |
| tcccagaact | tggtttcttg | tttttctgct | cactgtccac | accactcca | ccccagggt | 240 |
| ggaataattc | tcttggagca | aaaaaatcat | ctttttcttt | gtatttcatt | gaacgttctc | 300 |
| tttacagtgt | taggtaaacc | gctgctgcgc | gttttgtccc | gcgtctcgcc | ccgtccgtct | 360 |
| cctgactggc | cgctcttgtc | cttcctcccg | ctttttcttc | tctcgtcttg | cggtctgaag | 420 |
| atgccctcgg | ccaccagcca | cagcgggagc | ggcagcaagt | cgtccggacc | gctcaccgcc | 480 |
| gtcgggtatc | tccgggagtg | aggcggccgc | gggagccggg | gccgccgcgc | cggcttctca | 540 |
| gcaccccgca | accggcaccg | gcgctgtcca | gaccgaggcc | atgaagcaga | ttctcggggg | 600 |
| gatcgacaag | aaacttcgga | acctggagaa | gaaaaagggt | aagcttgatg | attaccagga | 660 |
| acgaatgaac | aaaggggaaa | ggcttaatca | agatcagctg | gatgccgttt | ctaagtacca | 720 |
| ggaagtcaca | aataatttgg | agtttgcaaa | agaattacag | aggagtttca | tggcactaag | 780 |
| tcaagatatt | cagaaaacaa | taaagaagac | agcacgtcgg | gagcagctta | tgagagaaga | 840 |
| agctgaacag | aaacgtttta | aaactgtact | tgagctacag | tatgttttgg | acaaattggg | 900 |
| agatgatgaa | gtgcggactg | acctgaaaca | aggtttgaat | ggagtgccaa | tattgtccga | 960 |
| agaggagtgt | tcattgttgg | atgaattcta | taagctagta | gaccctgaac | gggacatgag | 1020 |
| cttgaggttg | aatgaacagt | atgaacatgc | ctccattcac | ctgtgggacc | tgctggaagg | 1080 |
| gaaggaaaaa | cctgtatgtg | gaaccaccta | taaagttcta | aaggaaattg | ttgagcgtgt | 1140 |
| ttttcagtca | aactactttg | acagcaccca | caaccaccag | aatgggctgt | gtgaggaaga | 1200 |
| agaggcagcc | tcagcacctg | cagttgaaga | ccaggtacct | gaagctgaac | ctgagccagc | 1260 |
| agaagagtac | actgagcaaa | gtgaagttga | atcaacagag | tatgtaaata | gacagttcat | 1320 |
| ggcagaaaca | cagttcacca | gtggtgaaaa | ggagcaggta | gatgagtgga | cagttgaaac | 1380 |
| ggttgaggtg | gtaaatccac | tccagcagca | acctcaggct | gcatccccct | cagtaccaga | 1440 |
| gccccactct | ttgactccag | tggctcaggc | agatccccct | gtgagaagac | agcgagtaca | 1500 |
| agaccttatg | gcacaaatgc | agggtcccta | taatttcata | caggattcaa | tgctggattt | 1560 |
| tgaaaaatcag | acacttgatc | ctgccattgt | atctgcacag | cctatgaatc | caacacaaaa | 1620 |
| catggacatg | ccccagctgg | tttgccctcc | agttcattct | gaatctagac | ttgctcagcc | 1680 |
| taatcaagtt | cctgtacaac | cagaagcgac | acaggttcct | ttggtatcat | ccacaagtga | 1740 |
| ggggtacaca | gcatctcaac | ccttgtagca | gccttctcat | gctacagagc | aacgaccaca | 1800 |
| gaaggaacca | attgatcaga | ttcaggcaac | aatctcttta | aatacagacc | agactacagc | 1860 |
| atcatcatcc | cttcctgctg | cgctcagacc | tcaagtattt | caggctggga | caagcaaacc | 1920 |
| tttacatagc | agtggaatca | atgtaaatgc | agctccattc | caatccatgc | aaacggtggt | 1980 |
| caatatgaat | gccccagttc | ctcctgttaa | tgaaccagaa | actttaaaac | agcaaaatca | 2040 |
| gtaccaggcc | agttataacc | agagcttttc | tagtcagcct | caccaagtag | aacaaacaga | 2100 |
| gcttcagcaa | gaacagcttc | aaacagtggt | tggcacttac | catggttccc | cagaccagtc | 2160 |
| ccatcaagtg | actggtaacc | accagcagcc | tcctcagcag | aacactggat | ttccacgtag | 2220 |
| caatcagccc | tattacaata | gtcgtgggtg | gtctcgtgga | ggctcccgtg | gtgctagagg | 2280 |
| cttgatgaat | ggataccggg | gccctgccaa | tggattcaga | ggaggatatg | atgggtaccg | 2340 |
| cccttcattc | tctaacactc | caaacagtgg | ttatacacag | tctcagttca | gtgctccccg | 2400 |
| ggattactct | ggctatcaac | gggatggata | tcagcagaat | ttcaagcgag | gctctgggca | 2460 |
| gagtggacca | cggggagccc | cacgaggtcg | tggagggccc | ccaagaccca | acagagggat | 2520 |
| gccgcaaagt | aacactcagc | aagtgaatta | atctgattca | caggattatg | tttaatcgcc | 2580 |
| aaaaacacac | tggccagtgt | accataatat | gttaccagaa | gagttattat | ctatttgttc | 2640 |
| tcccttttcag | gaaacttatt | gtaaaaggac | tgttttcatc | ccataaagac | aggactacaa | 2700 |
| ttgtcagctt | tctattacct | ggatatggaa | ggaaactatt | tttactctgc | atgttctgtc | 2760 |
| ctaagcgtca | tcttgagcct | tgacatgat | actcagattc | ctcacccttg | cttaggagta | 2820 |
| aaacaatatata | ctttacaggg | tgataataat | ctccatagtt | atltgaagtg | gcttgaaaaa | 2880 |
| ggcaagattg | acttttatga | cattggataa | aatctacaaa | tcagccctcg | agttattcaa | 2940 |
| tgataactga | caaactaaat | tatttcccta | gaaaggaaga | tgaaaggagt | ggagtgtggg | 3000 |
| ttggcagaac | aactgcattt | cacagctttt | ccagttaaat | tggagcactg | aacgttcaga | 3060 |
| tgcatacca | attatgcatg | ggtcctaata | acacatataa | ggctggctac | cagctttgac | 3120 |
| acagcactgt | tcatctggcc | aaacaactgt | ggttaaaaaac | acatgtaaaa | tgctttttta | 3180 |
| cagctgatac | tgtataagac | aaagccaaga | tgcaaaaatta | ggctttgatt | ggcacttttt | 3240 |
| gaaaaaatatg | caacaaatat | gggatgtaat | ccggatggcc | gcttctgtac | ttaatgtgaa | 3300 |

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|------|
| atatttagat | acctttttga | acacttaaca | gtttctttga | gacaatgact | tttgtaagga | 3360 |
| ttggtactat | ctatcattcc | ttatgacatg | tacattgtct | gtcactaatc | cttggtttt | 3420 |
| gctgtattgt | cacctaaatt | ggtacaggta | ctgatgaaaa | tctctagtgg | ataatcataa | 3480 |
| cactctcggt | cacatgtttt | tccttcagct | tgaaagcttt | tttttaaaag | gaaaagatac | 3540 |
| caaatgacct | ctgctaccac | ccttttcaat | tgctatcttt | tgaaaggcac | cagtatgtgt | 3600 |
| tttagattga | tttcctgttt | tcagggaaat | cacggacagt | agtttcagtt | ctgatggtat | 3660 |
| aagcaaaaaca | aataaaaacgt | ttataaaaagt | tgtatcttga | aacactgggtg | ttcaacagct | 3720 |
| agcagcttat | gtgattcacc | ccatgccacg | ttagtgtcac | aaattttatg | gtttatctcc | 3780 |
| agcaacattt | ctctagtact | tgacattatt | atcttttgtc | taatttaacc | ttaactgaat | 3840 |
| tctccgtttc | tcctggaggc | atttatattc | agtataaatt | ccttccctta | gatgcataag | 3900 |
| gagagtctct | aaatttgatg | gaaatggaca | cttgagtagt | gacttagcct | tatgtactct | 3960 |
| gttggatttt | gtgctagcag | tttgagcact | agttctgtgt | gcctatgaag | ttaatgctgc | 4020 |
| ttattgtctc | attctgactt | catggagaat | taatccacc | tttaagcaaa | ggctactaag | 4080 |
| ttaatggtat | tttctgtgca | gaaattaaat | tttattttca | gcatttagcc | caggaattct | 4140 |
| tccagtaggt | gctcagctat | ttaaaaacaa | aactattctc | aaacattcat | cattagacaa | 4200 |
| ctggagtttt | tgctgggttt | gtaacctacc | aaaatggata | ggctgttgaa | cattccacat | 4260 |
| tcaaaaagttt | tgtagggtgg | tgggaaatgg | gggatcttca | atgtttattt | taaaataaaa | 4320 |
| taaaataagt | tcttgacttt | tctcatgtgt | ggttgtggta | catcatattg | gaagggttaa | 4380 |
| ccctgttact | ttggcaaatg | agtatttttt | tgctagcacc | tccccttgcg | tgctttaaat | 4440 |
| gacatctgcc | tgggatgtac | cacaaccata | tgttacctgt | atcttagggg | aatggataaa | 4500 |
| atattttgtg | tttactgggt | aatccctaga | tgatgtatgc | ttgcagtcct | atataaaact | 4560 |
| aaatttgcta | tctgtgtaga | aaataatttc | atgacattta | caatcaggac | tgaagtaagt | 4620 |
| tcttcacaca | gtgacctctg | aatcagtttc | agagaaggga | tgggggagaa | aatgccttct | 4680 |
| aggttttgaa | cttctatgca | ttagtgcaga | tgttgtgaat | gtgtaaagg | gttcatagtt | 4740 |
| tgactgtttc | tatgtatggt | ttttcaaaga | attgttcctt | tttttgaact | ataatttttc | 4800 |
| tttttttgg | tattttacca | tcacagttta | aatgtatata | ttttatgtct | ctactcagac | 4860 |
| catattttta | aaggggtgcc | tcattatggg | gcagagaact | tttcaataag | tctcattaag | 4920 |
| atctgaatct | tggttctaag | cattctgtat | aatatgtgat | tgcttgtcct | agctgcagaa | 4980 |
| ggccttttgt | ttggtcaaat | gcatatttta | gcagagtttc | aaggaaatga | ttgtcacaca | 5040 |
| tgctactgta | gcctcttgg | gtagcaagct | cacatacaaa | atacttttgt | atatgcataa | 5100 |
| tataaatcat | ctcatgtgga | tatgaaactt | ctttttttaa | acttaaaaag | gtagaatggt | 5160 |
| attgattacc | ttgattagg | cagttttatt | tccagatcct | aataattcct | aaaaaatatg | 5220 |
| gaaaagtttt | ttttcaatca | ttgtaccttg | atattaaaa | aaatatcctt | taagtatttc | 5280 |
| taatcagtta | gcttctacag | ttcttttgtc | tccttttata | tgacagctct | acgtgggaga | 5340 |
| cttttccact | taaaggagac | atagaatgtg | tgcttattct | cagaagggtc | attaactgag | 5400 |
| gtgatgagtt | aacaactagt | tgagcagtca | gcttcctaag | tgtttttagga | catttgttca | 5460 |
| ttatattttc | cgtcatataa | ctagaggaag | tggaatgcag | ataagtgccg | aattcaaacc | 5520 |
| cttcattttta | tgtttaagct | cctgaatctg | cattccactt | gggttggttt | taagcattct | 5580 |
| aaatttttagt | tgattataag | ttagattttca | cagaatcagt | attgcccttg | atcttgcct | 5640 |
| ttttatggag | ttaacgggga | ggaagacccc | tcaggaaaac | gaaagtaaat | tgtttaaggct | 5700 |
| catcttcata | cctttttcca | ttttgaatcc | tacaaaaata | ctgcaaaaaga | ctagtgaatg | 5760 |
| tttaaaatta | cactagatta | aataatatga | aagtcaaaaa | | | 5800 |

<210> 7645

<211> 1729

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1640)...(292)

<223> similar to gi2589011 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7645

```
ccctgatgca cccacctgcc caaaagcagt gccgccggac aggcaccttg cagagcaaac 60
ttctgtgccg agcagccttg tggtagactgc gacagtgaag tccatggttc gggagccagg 120
ggagggcctt gccgtgactg tcaagtctta ttggtgctta taaaactgga ggactggacc 180
tgctttctcc acccactggg gcctccctga agttttacgt gccttgcaag cagtgtcccc 240
ccatgaagaa agaaggcctg agggctaggg gccggggctg gcctgcgtct cagtccctggg 300
acgcagcagc ccgcacaggt tgagaggggc acttctctct gcttaggttg gtgaggatct 360
ggctcctggtt gggccgggtg agaaccacaa agctctcttg aggaaggacg gggcctctgt 420
tctcttctac ctggcccatc agcagataac tgactccttt cttcatgggg gggcactgct 480
tgcaaggcac gtaaaacttc agggaggcac cagtgggttg agaaggcagg tccagtccct 540
cagttttata agcaccaata agactgacag tcacggcaag gccctccctt ggctcccgaa 600
ccatggactt cactgtcgca gtcaccacaa ggctgctggc acagaagttg ctctgcaagg 660
tgctgtccg gccgcactgc tttgggcagg tgggtgcctc aggggctgaa ggagattcct 720
ctgttttctc cggaggttg gacttggggg gcagcttgac tttaggtca gttccccgtt 780
tggggccggg cccttgccct tctttggcag tgcccccggt cagggtcttg taggaggctg 840
agaagccatc agcggtgaca ctgagatctg agacgaactg gacgaggagt tcattccctt 900
cggaggagat ggagcccggg actgcgtcgc cgcagaactt cccagcctc cgggagtcgt 960
cgctcacggc tccgttgaac acgctgaccg agtcatagcg gcagtaggtg tccggctcca 1020
ggtcaaactt ctcgaaggtc agcgcgatga cctggctccg gggcgcgatg atgtgccagg 1080
aacagctgat gcccgggggg taatcggact cgggccagtt gggcggtggtc agggttccct 1140
gggccttctc cagccgcccc ccgcaaaatt ggtgctcagt gcccgagggt gcccgccccg 1200
tgtaccagag caggaagcct cgtcctcctg tgccctcatc cgtcgtcatc ctcagggtca 1260
cctggttgcc gggggcgact aggggcgcag gccggaaggt cccacaaaag cgtccgagcc 1320
gctggccgga agtcccagac ccagcgaaga cctccagagc atcgtagcgg caggcggggt 1380
gcagctccag gtcgaagact cggaatgaga gggacacagt ctggccctcg gggaccgtta 1440
tggtccagat ccaactctta ttaggggggg agagggtggg gaacccctca cttgccacgt 1500
aacctgattc ccccttcaca tcccctcgc acaggaacac ggggtctggtg tagttggggg 1560
tctggccctg ggcaaaaggc agcagggcgc aggcagttag gaggggcccc aggagggagg 1620
ctgtggctgc aggcagcatg gcccgggggg aaaggcgctg gggctctcaa gacagaggca 1680
gcagctgaat tttgcagagc agcagcagcg gtggcggcag cagcaggat 1729
```

<210> 7646

<211> 2480

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (143)...(1081)

<223> similar to gill136396 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7646

```
tttcgtggcg ctgcgggcgc agctccggtg caagcgagga cagcacacat gcagtggctt 60
ctggactgcg cgatgactgg acgcaagtaa cttctaggtc tgcagacaag aggaagagaa 120
gatgaaggaa gactgtctgc cgagttctca cgtgcccatc agtgacagca agtccattca 180
```

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|-------------|------|
| gaagtcggag | ctcttaggcc | tgctgaaaac | ctacaactgc | taccatgagg | gcaagagctt | 240 |
| ccagctgaga | caccgtgagg | aagaaggggac | tctgatcatc | gagggggtcc | tcaacattgc | 300 |
| ctgggggctg | aggcggccca | tccggtgca | gatgcaggat | gaccgggagc | aggtgcacct | 360 |
| ccccccacc | tcatggatgc | ccagacggcc | tagctgccct | ctaaaggagc | catcgcccca | 420 |
| gaacgggaac | atcacagccc | agggggccaag | cattcagcca | gtgcacaagg | ctgagagttc | 480 |
| cacagacagc | tcggggcccc | tggaggaggc | agaggaggcc | ccccagctga | tgcggaacca | 540 |
| gagcgacgcc | agttgcatga | gccagaggag | gcccgaagtgc | cgcgcccccg | gtgaggccca | 600 |
| gcgcatccgg | cgacaccggg | tctctatcaa | cggccacttc | tacaatcata | agacctccgt | 660 |
| gtttactcca | gcctatggat | ccgtgaccaa | tgtgagggtc | aacagcacca | tgacaacctt | 720 |
| gcaggtgctc | accctgctgc | tgaacaaatt | taggggtgaa | gatggcccca | gtgagttcgc | 780 |
| actctacatc | gttcacgagt | ctggggagcg | gacaaaatta | aaagactgcg | agtacctcgt | 840 |
| gatttccaga | atcctgcatg | ggccatgtga | gaagatcgcc | aggatcttcc | tgatggaagc | 900 |
| tgacttgggc | gtggaagtcc | cccatgaagt | cgctcagtac | attaagtttg | aatgcccggg | 960 |
| gctggacagt | tttgttga | aattaaaaga | agaggaagaa | agagaaataa | tcaaactgac | 1020 |
| catgaagttc | caagccctgc | gtctgacgat | gctgcagcgc | ctggagcagc | tggtggaggc | 1080 |
| caagtaactg | gccaacacct | gcctcttcca | aagtccccag | cagtggcagg | tgtacactga | 1140 |
| gccttggttg | ctggcccccg | ccggtcacat | tgactgatgg | ccaccgctg | acgaatcgag | 1200 |
| tgctgtgtg | tctacctctc | tgaagcctga | gcaccatgat | ttccacagcc | agctcttggc | 1260 |
| tccaagatga | gcaccacacag | gaagccgacc | caggcctgag | gggccaggaa | cttgctgggt | 1320 |
| cagatctgtg | tggccagccc | tgtccacacc | atgcctctcc | tgactggag | agcagtgtctg | 1380 |
| gcccagcccc | tgcggttag | gcttcatctg | cttgcacatt | gcctgtccca | gagccccgtg | 1440 |
| gggtccacaa | gccccgtgcc | tcttccttca | tatgagattc | ttgtctgccc | tcatatcacg | 1500 |
| ctgccccaca | ggaatgctgc | tgggaaaagc | agggcctgcc | agcaggtatg | agatctagcc | 1560 |
| tgctttcagc | catcaccttg | ccacagtgtc | cccggcttct | aagcctccaa | tatcaccttg | 1620 |
| tgagcctcgc | acagctcagc | cccaacacag | aggtgagacc | aggaataagg | ccacaagtat | 1680 |
| ctcactttct | ctgcagaaat | caatctttac | ttcatcagag | agacctaaag | cgattcttac | 1740 |
| aaggagcttg | ctgcaagaaa | cacggtcatt | caatcacatt | gaggagggtc | cacatggcat | 1800 |
| tgagaggggtg | ctgcccgcgc | aatgcccagc | agcagctctg | gaaggcagtg | ctcagcccca | 1860 |
| tcaccactgt | cccgtggatg | cctgtgtacc | tcttgccctt | tctgggcttg | cgtttctctc | 1920 |
| ctctagtggg | tggggatgac | tttcaatgac | tttcaatact | tcccctgaag | gaagaatgat | 1980 |
| aaggagaaat | gtctgttttg | aggaaaaggc | tttgaattcc | ccagatactg | aacaatttgt | 2040 |
| gtttgtgact | gatggagaat | ttcaggaatg | aatgagaaaag | cctttgcgaa | actatgcaac | 2100 |
| agtttacatc | agtcatgtga | agtatttgtc | taaaacagag | caaactgaag | accaaattat | 2160 |
| tctcctgttg | aggtccgtgg | atggcagatt | taaagggaag | aaccacaaag | gcttgcaaag | 2220 |
| ataggagagg | ctccatctct | aatgcatgta | gaagctcctt | acgggtgccc | atcaagagca | 2280 |
| tagcttgga | gccaccatgc | tgtgcggaac | tgcgtcaggg | caaatgtcac | agcaggattt | 2340 |
| ccccaaccca | gctccatcat | cacagacaca | gagagctgca | ggggaggcct | gcccactgtt | 2400 |
| ttgtcgactc | tgccctcctc | tggcagcata | gatccttagg | tgctcaataa | aggtgtgctg | 2460 |
| tattgaactg | aaaaaaaaaa | | | | | 2480 |

<210> 7647

<211> 2469

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (85)...(340)

<223> similar to gi289769 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7647

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ggcacgaggg gggcggtccc cagcacacta gaggaagtgc tgctaccccc gcggagttgt      60
cgtgtgttct ggattcattc cggcaccacc atgtcgaagg ttctctttaa gatcacgctg     120
acgtcggacc cacggctgcc gtacaaagta ctcaagtgtc ctgaaagtac acctttcaca     180
gcagtcttaa agtttgcagc agaagaattt aaagtctctg ctgcaacaag tgcaattatt     240
accaatgatg gaataggaat aaatcctgca cagactgctg gaaatgtttt tctaaaacat     300
ggttcagaac tgcggattat tcttagagat cgtgttgga gttgttaata tctgctactt     360
ggaacatacg attgcctttc agaataaata ttggtatttt ttggtgttgt aaaattgaaa     420
tcaggcattt aacatactat gaaaacacca ggagtcaatg attaatgaaa ggtgactcat     480
ctgtcccttt ttgttgtcca tactcttcct atgaagaggg aatgcgtatg aattaaggct     540
actactgtca cagaagatca tagtctttga tgctacctca caacacaaac aggtagtctg     600
ttggggggcaa atgaattagc caactgttaa ctggaagctt ttgataattt ttttttttag     660
aacaatttgg aacattaaaa tttactgaat cgtatatatt catctgagat aaaaataata     720
aaagaattat ggaccttggg tggcaatttg cttgatagca tctgatttgc agactcataa     780
tttgattttt aattaaatat ataggttatg atgaagtga tagacatatc agtgaacagt     840
taactatatt aaatttttat catttacttt ttttaagatt cagacctcag ttataataat     900
ttcagtttaa tatcaaccaa aaaattaaaa ttttaactta acccttatgt gtataaattg     960
gtgtcccata ccagctttta atggtggacc tatagaatcc agtactttta atggtgggaa    1020
tttacagtag aagcatcctt tgctgagtta tacattcctt tatcaatctc ttttgataca    1080
acatttaaaa caagtagctt caagaaacca ctggtgtttt gaggatagta tttctaaata    1140
gcattcagga acagagtatt attgcacaga tctgaagatc aaaaaaagc tcaaggaaat    1200
acagatcgga agtgctgatg agttatattt attgaaaacc caacttttaa ggaagtgtct    1260
agatcagtca cccatgtgaa taagaagcca ggaaaggaaa gatggggaag cccagatcac    1320
caggcttcta ttaaggagga aagcaacaga ggaaacagtg aaggggaaca gaagggggt    1380
gcaaagtgtt acagaaaagc ggactggata gacaaaactg cagaagggtg atgttgggga    1440
gaactgaaag ggaaaacaaa atacttgaca tagtcttaag tagaagaagg cagttagaga    1500
aaacaaagta tctactggcc ttgtcaacat acagacttca aaataccctt tatgagaatc    1560
caaagaatga tgtgtgtaag ggaagatttt atttgccctt ccggaagaaa tcagtatcta    1620
tgcaaatctt gaaagacaaa atcaaagccc attaatgatt cagaatcagt gcttgacctc    1680
ctgtattctg aatgggtgaa tctggaagca gggattgtgt ctggctcttt ttagagctgg    1740
aagtgtagtg gctttcatta aatacttgct gtaaagctct tctaagacca attattatct    1800
tagcatgttt cagtatcttc tctatcatag gccctaagtt cattggggga aaaaaataa    1860
gaagattcaa cagaatcagc atttgaagtg taccattggt agttgtttat gaaattacca    1920
gatattcata aatgtgacaa atgaacagca ggattatgaa ttatcaaagg aaaaagtatt    1980
tgctgaggtg aaaaaatctg atgtttgagg aagtttttat ttttatttat ttgttttgtt    2040
tttttttttt ttggagggca gacttttttg cccaaggctt ttctgcctc agcctcacga    2100
gtagctggga ctacaggcat ggccccacca cgccagctc atttttgtat ttttagcaga    2160
gacagggagg aagtttttat ttttataaac aaaatctgat gttcagaggc cccgtttctt    2220
acaataaatg ttgagtctta gttaagcagg aatttatgaa caccatttct ctgacttttt    2280
gctttaattt agatttttct ccatcctgtt tctagcaca aaatttgcct gctgtgttac    2340
aaaaataaat ttatgttgtc ctgtgccata aagtgatata tttaatat ttattctttg    2400
gttttgaaca ttgtaagttc ctaaaaacat tttattaaac aagtagacat tttgttatta    2460
aaaaaaaaa                                     2469
```

<210> 7648

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(783)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (430)...(170)

<223> similar to gi3127854 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7648

| | | | | | | |
|------------|------------|------------|-------------|------------|-------------|-----|
| cgatgtagtc | cgaccagtta | tagatcttca | cggctctcggc | ggcctggctg | atagaggcca | 60 |
| ccaacatcaa | gggcaacagg | gcaatggctt | tcatgggtcg | atttcctggc | gggttttaggg | 120 |
| ctgtttttat | ggcaggcgat | caaggatcaa | agcgttacag | aatcaggaca | taggtcttgc | 180 |
| gcacggtttc | ctggatatcc | cagataccgg | tgctattggc | tggcaacatc | agtgcgtcac | 240 |
| cggcttgat | gtgcagggtt | tcccgtcgt | cgggcgtgaa | ggtgcagcgc | ccctggatga | 300 |
| aatggcaaaa | ctcctgggac | gtgatctgcc | gacgccagcg | ccccggngtg | caggcccaga | 360 |
| tgccggtctc | gacgccatcg | ttgtgctcca | cgctcaaggt | ggaggccacg | gcgatgggcg | 420 |
| cgcccagggg | caccgccacc | ggtgatgaat | ctggcagtgg | ggtgttcagc | gtgtctttga | 480 |
| attgcatgat | gctcatgggt | ttcccctgt | gggtggaacg | agtcagtgca | tgaagccttc | 540 |
| catgaaaccg | gcaacgccgg | ttgccagctt | gcggcgccag | ggcgcagtgt | tggagttggc | 600 |
| caagacctgg | tcttcatgga | caaaactacg | aatgatcgcg | ttgtaaccca | gccagcggca | 660 |
| cggctccggc | tcccaggcct | tgagtgtctt | gaggccgcct | tcgcgaatca | cccaggggtg | 720 |
| ttgggtcagc | aaggtgtcgc | ggccgaggat | caaatcggcc | agggtgcggc | cgctctagag | 780 |
| ga | | | | | | 782 |

<210> 7649

<211> 1895

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1389)...(532)

<223> similar to gi4191500 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7649

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | ttgcagaacc | ttgaaataaa | acatgtttta | cagtaagttc | acacacaggc | 60 |
| ttaatgcaaa | ccagagtaat | gcacagatga | ttgccaagac | catattgaca | aattgtgatt | 120 |
| agattataac | gcatagtagc | ctgccttaca | ttcagcaagt | tcaaacagga | cacaaaacca | 180 |
| gtcaactgaa | cacagagcag | ctctcttcag | aagcacttcc | aatgagtgat | gcagagattt | 240 |
| caaaaataca | aagcaggcaa | cttatataca | gcaaatcctc | acactgcctg | gacatgtgcc | 300 |
| acttttttgt | tgtttttaat | atatttttcc | ttcctgggtg | ctaatttaga | ctgaattctt | 360 |
| aaggatttat | cttgatgact | tagaaaaata | cacctgtcct | ttctcacttt | gtttcaggta | 420 |
| gtacagtcac | gaaattgagt | aagtctctta | aaaaaatgaa | agtccacaga | tcccattgtg | 480 |
| gaaggtttca | ggaacccctc | cccaggtaat | gatcacggga | tcttcaacag | ctcaaggagt | 540 |
| gtccaacag | ctccaaaata | accctcgtgt | tccgaaaaaa | gtgctttcaa | ctgccccttg | 600 |
| gaccaataat | ccaaagcata | tgccaaaagc | cgcattggcg | tcgtattaat | tctcaagaaa | 660 |

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|------|
| tttccaacaa | ataccacctg | gttaatgttt | tcattaaggg | cacacattct | tgctattgag | 720 |
| ccaatgttgt | tggtgatgg | gatcaaagtc | gctctggcca | ggtcctcttt | actgacagcc | 780 |
| tctcgcttct | ccttgctcat | catgtttcca | aagcttgaag | ccacagccca | gcctggcagt | 840 |
| ccaaacctct | catagtcccc | tccataaata | tctcgtaacta | gtttatccac | tttgggtgcta | 900 |
| tctccacgag | atgccatttc | aagagcttct | tcaaaagtgg | tacagccagt | aagaagacag | 960 |
| cagagaccaa | aaaaagttcc | tcctccaaga | ctagtacctg | tgacctgttt | gtaattatct | 1020 |
| ttggaatata | ctgctaagat | gctaaccctt | gagccaatgt | tcaccagaag | cagaggatac | 1080 |
| ggatttttca | aatcaaatgg | taactttctga | cacttttcag | aatcagcagg | gttttcaaag | 1140 |
| taatagcact | gtgaccgtcc | attgaatccg | actgagtcaa | tgtataaaat | tcctttgatc | 1200 |
| aagcaatcta | gttcatccag | tttgcaaagc | tgaagatcac | ctattgtgag | aaaatcctgc | 1260 |
| tcaaatttgt | acgctccacc | tccagtggca | caaaagacag | tgtggagact | cgagaagttt | 1320 |
| ttatctctgc | ccattttgaat | aaaagcaggc | atgtcatgag | tgggaaagcg | tataaagtgc | 1380 |
| agattgcctt | tgcgtccaca | cagagtcagg | tccttcagct | cgagggtgcac | gtcccgaatg | 1440 |
| cctgtagacc | cataagccac | attggaggtc | aggtacttcc | gaatgctttt | aagactttcc | 1500 |
| acttcttctt | cttcttcttc | agcagtgatg | tctttgggtt | caaaatatac | cagcttgacc | 1560 |
| agagttccac | cgatatccag | tccaaacccat | ggaaaaagcg | gccgcttttt | cctcaggctt | 1620 |
| tcgacgcgct | ggcgggagac | cgagggtggg | ccgctgtaag | agcccagtcg | atccgcctc | 1680 |
| gtgccctcag | ccgaggcccc | gaccgcgggc | accgacgcgc | tgctcgcccc | gcgcgcgagt | 1740 |
| ggctcctgcc | gccgcccttc | gggttccccg | gccgcctgct | ccccagccga | cgagacggag | 1800 |
| gtggcggaag | ccctgccgtg | gcgctccatg | ggcgcgccga | gccggccccg | tcccatccgc | 1860 |
| agcagcagtc | gctgccgccc | gagcaagccc | cccag | | | 1895 |

<210> 7650

<211> 1943

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1748)...(0)

<223> similar to gi4929691 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7650

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|------------|-------------|------------|------------|------------|-------------|-----|
| tttttttttt | ttctttaatt | actttaatat | aaaagacagc | agtttcacat | ttcacatatt | 60 |
| tgaaaaacat | ttcaaaaccc | tctaacaagt | atttaatgaa | aataaattta | tcgaagagaa | 120 |
| acaatgacca | caaaattaat | actaccaa | cattactgag | actttttgca | ttacaatatt | 180 |
| tggagagtag | gtgaagaaaa | tatagaacag | aacatgaaca | ttttaaaatg | atattccacc | 240 |
| caagctttat | ctttttgcta | aatcttgtgg | acactagaat | atatattcaa | gatgttggtg | 300 |
| aagatattca | gcaagccata | cttcaaagat | gttaaaacag | ccctccacca | ataatatggc | 360 |
| attgcaaac | cttctatccc | atcccttttc | agttaaaaga | gagaatatta | acagagattt | 420 |
| agtaatagtg | acaaaaataa | gaaatcagta | tagtcaagaa | agatatgtaa | ttattcaaca | 480 |
| tcatttggtg | cggatagatc | aatgcaactc | actaagtggg | caacattgtg | aggggagtg | 540 |
| gtaacatgat | tcagagtcct | gtgggtaaat | tcatatgcaa | taatcttatt | ccaatcaatc | 600 |
| tgtaaagtaa | aagcactaca | tccacattaa | cattataaca | tcttacagta | atataaaagc | 660 |
| caaatacttg | ttggtacgtc | attttcttta | aagtgaacaa | tttaagaaaa | cttcacaaga | 720 |
| gtctgcactt | tggaaagata | cgatcagagt | acacagtaga | gacaaaacag | gcattcttcat | 780 |
| tgtaatTTTT | tttaataaat | aaaagcacat | taacaaaaaa | ggaaggtaag | cagcaccgga | 840 |
| agcctttgac | gtttgttaact | aaatgctgg | actcaaattg | tctagctgg | taagtttcac | 900 |
| taggaggcgc | aaaaaaggag | ccgtttttga | cttaacattt | taattctagt | agagataaga | 960 |

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|------|
| agagcttgtg | tgggcttaca | gtccttcacc | tgactgtcct | tcaccagtga | gtagcatacc | 1020 |
| agttcttcaa | atgtcctata | ctttggaaag | cagacccgac | tctggagcac | tcgccttaat | 1080 |
| tagattctga | atttccttga | atthttggatg | gtccttatca | gctaccagct | gaagcagaac | 1140 |
| agcctcactc | gtggtcacta | tgatcccggg | tcgagcgaga | cgctcgaggg | caaacatcct | 1200 |
| gtccatcatg | cttcttgatg | aggtggcatc | agcaacaatg | tgaacctcga | ctcctcggcc | 1260 |
| aactagctcc | agggcagttt | gttggatgca | cacatgagtt | tctactccaa | ataatacaac | 1320 |
| actcctgact | ccgggaatct | ctgctaatac | cgcttctact | tctggtaata | ccattgaaaa | 1380 |
| cttggctctt | ggaagtacca | gttttacacc | tgttaaatca | atttcttgaa | ccgtgctccc | 1440 |
| aagaccttta | gggtattggt | ctgttacaat | aacaggaatt | cctaaaatcc | gggccccttg | 1500 |
| caacaatctc | tgtcccacgc | taataatata | cccaaaatac | ttgatggctg | gtctgaacct | 1560 |
| ttcctgcata | tcacagcaga | aaaacacagt | gcttgaaggt | gtaagatttc | ccagggtagt | 1620 |
| gagctggatc | tgcagcggca | cgaggcgcac | cttgagcgcc | tcgctcaccg | cgaagccctt | 1680 |
| gggcaagtcc | acgtactggc | cccactcctc | ggcgaacagc | tgcaccacga | atttgcggtg | 1740 |
| catgtcgatc | tggtcgccgt | acaggetgag | gaacttctgg | atgagcagct | cgtagcccg | 1800 |
| cccggtgtgg | accgacgagg | gtcgcgcgaa | gactgagaaa | cagaagagca | ccgggactgt | 1860 |
| gcccgaacgc | gccccgcgc | ccccggcgcc | gctgttgggg | agcgcaagga | ccgcggctc | 1920 |
| cgcagccgc | atgttccacg | aaa | | | | 1943 |

<210> 7651

<211> 1540

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1466)...(1129)

<223> similar to gil710212 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7651

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|-------------|------------|------------|------------|-------------|------------|------|
| ttttgacttt | caaaaaagtt | tttattgtag | taaaacacaa | aattttaccat | cgtgaccatt | 60 |
| taaggggtata | gttcagtggc | attaagtaca | ttcaactttt | tgagcaaccg | ccatcaccat | 120 |
| tcacatccca | tctccgtttt | tttgttttga | gatggagtct | cactctgtcg | cccaggttgg | 180 |
| agtgcagtgg | catgatcttg | gtcactgca | acctcttcct | ccccagttca | agcaattctc | 240 |
| ctgcctcagc | cacccaagta | tctgggatta | caggcgtgca | ccaccacgcc | cggccaattt | 300 |
| tttttttgta | tttttagtag | agatggggct | tcaccacatt | ggccaagctg | gtctcaaact | 360 |
| cctggcctca | agtgatccgc | ccgcctcagc | ctcccaaagt | gttgggataa | caggcgtgag | 420 |
| ccaccatgcc | aggccatcgt | ctcctgaact | ttttcatctg | cccaaactga | aactctgtac | 480 |
| ccattaaaca | ataactcctc | actgccccct | cctccagtcc | ctggcaaata | ccattctact | 540 |
| cctagagtac | tttcagactc | agtttcttct | ttcacttaat | aaaagacagg | gtccactgct | 600 |
| gactaatggg | attgtttgta | tatttgagg | ccttcttgca | gaccatgtga | tttgagttta | 660 |
| tggcagagaa | tggtaatagg | aaatgggatt | gtacaaagaa | aagagatgga | gagaaaactg | 720 |
| gatgaggggt | tcgcactggg | tgtcccaccc | acaggcctca | gcagccctgc | cacggatctg | 780 |
| cccgattctt | tcgcatcaag | aagttgatct | tgcgagccat | ttccatgttg | tagatccgcc | 840 |
| ggcacctttc | atagctttcc | ctctgtcgct | ggcgcatgg | cttctcataa | taccgccgat | 900 |
| gcttaatgtc | ctcaatgagc | ccatccatag | tgaggattct | gtttagggtc | ctgtatgcgc | 960 |
| tttccacggt | cccttctgt | accatcacag | tcctggcgat | gaacttcaga | tgttttgcc | 1020 |
| tgaccttgga | tttaaaccct | cactctgtag | agcctaaagg | atgatggaga | aagggcgagg | 1080 |
| aaagcagaaa | gagaaacgca | acataatata | aactacaccg | cgcggttat | ttaggatttg | 1140 |
| gaaattcaac | atgctcaggg | acgcgcgaga | tggagcacat | ggaagtcac | ctagaaagta | 1200 |

| | | | | | | |
|------------|-------------|------------|-------------|------------|------------|------|
| gacgtgaatc | gttgtctctt | attctcactg | ccagtcctaaa | tcctcgcata | gagaagaaaa | 1260 |
| gagatggcag | cagggcggtta | ccacaaagac | gcgtcgccgg | gcatgagaag | gacacgagcg | 1320 |
| acaaggatgc | gccacagggg | cccaaccacc | acacatagtt | ccaaaagggg | ttgagttggg | 1380 |
| agttggggaa | ggactctttg | ttggtctttg | gaaaaggggg | cgaaagcccc | caaacctgcc | 1440 |
| ctctcgccaa | gccagccttc | ctttcccaa | accctgcaca | actcctcacc | tcgcgcgctc | 1500 |
| agtacgaaat | cgtcgacccg | ggagttccgg | agaagatcac | | | 1540 |

<210> 7652

<211> 1780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (39)...(940)

<223> similar to gi3403154 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7652

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| ctagaagagg | ggagcagcaa | ggatggaatg | acagccgcgg | gccggagggg | atgctcgaaa | 120 |
| gagctgagcg | gagatcctac | agggaatacc | gaccctatga | gacagagagg | caggcagact | 180 |
| tcacagctga | gaagtttcca | gatgaaaaac | caggtgatag | gtttgatcga | gacagaccgt | 240 |
| tgagaggacg | tggaggcccc | agagggggta | tgcgcggcag | aggcagaggt | ggccctggga | 300 |
| acagagtttt | tgacgctttt | gaccagagag | gaaagcgaga | atgtgaaaga | tatggtggga | 360 |
| atgacaaaat | agcagtcaga | actgaagaca | acatgggtgg | atgtggagtt | cgaacctggg | 420 |
| gatcgggtaa | agataccagt | gatgtggagc | caactgcacc | gatggaggaa | cccacagtgg | 480 |
| tggaggagtc | ccagggcacc | ccggaagagg | agtctccagc | caaagttcct | gagttggagg | 540 |
| tagaagaaga | aacccaagtt | caagagatga | ctttagatga | gtggaaaaat | cttcaagaac | 600 |
| agaccagacc | aaagcctgag | tttaacatcc | ggaaaccaga | atccactgtt | ccttccaaag | 660 |
| ccgtggtgat | tcacaagtca | aaatacagag | atgatatggt | aaaagatgac | tatgaggacg | 720 |
| attcccatgt | tttccgaaaa | cccgcgaatg | acatcacatc | ccagctggag | attaattttg | 780 |
| gtaacctccc | tcgtcctggg | cgtggagcca | gaggaggcac | ccggggaggc | cggggaagga | 840 |
| tcaggagggc | agagaactat | ggacccagag | cagaagtggg | gatgcaagat | gttgcccca | 900 |
| accagatga | cccggaagat | ttcctgcgc | tgtcttgaaa | gagccctgtt | tcccagcacc | 960 |
| gcggagctgc | actgcacacc | tgtggggaga | cttttccagc | tgggccaagg | gagtcagact | 1020 |
| ctaagaacaa | tagatgttgc | ttttcccggtg | tcattgtaa | ttgttgact | tttttgggct | 1080 |
| gagctgttag | aggggcttct | ccagaggctc | gagagcaggc | catttcccaa | gaagatgaag | 1140 |
| aatggtgact | gtgtttttat | tgaaggaatt | tcaaataag | aataatgttt | aaaatgtgta | 1200 |
| tatagagata | gtatagactc | ctccgcggaa | gcatggaggg | aaaggagggt | gtaaaataga | 1260 |
| ctccatggag | actcttagga | agcagtagat | tcccgggggc | tgtgccttta | gcgttagagg | 1320 |
| aaacacatag | agctggaact | gttaatggaa | agcagtcaca | gctgagtttt | cggagaccaa | 1380 |
| gaaattaaaa | tacaattgca | cttactgttt | acttgtaa | gttatcttct | ctcctggaat | 1440 |
| attttgagtt | ctggttttca | cttaaccaat | catttaaaaa | tcgctattgt | gtagccactg | 1500 |
| gccaccactc | tgtgacacag | aatcagagaa | agcgttgatt | tttaatgggtg | atttaaacta | 1560 |
| cctcgtggtt | tctgtgtgtg | tgacacacac | catctagtgt | ttgggtgggtt | tttaggaaga | 1620 |
| atattaagta | tgtgacttca | aaaaccatgt | tatttaacct | gccaatcaaa | tggaaaggga | 1680 |
| tcattggcaa | agcaaatacc | gcattccttt | cttccgcaga | actagagtca | gagttcggca | 1740 |
| gctgcgtaca | aaggcctctg | ccctcgggctt | gagcaaaaagt | | | 1780 |

```

<210> 7653
<211> 3190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (93)...(2671)
<223> similar to gi31106 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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<400> 7653
aaattcccgg gtcgacgatt tcgtcgccgc catcctcggc gcgactcgct tctttcgggt      60
ctacctggga gaatccaccg ccatccgccca ccatggtgaa cttcacggta gaccagatcc      120
gcgccatcat ggacaagaag gccaacatcc gcaacatgtc tgtcatcgcc cacgtggacc      180
atggcaagtc cacgctgaca gactccctgg tgtgcaaggc gggcatcatc gcctcgcccc      240
gggccgggga gacacgcttc actgataccc ggaaggacga gcaggagcgt tgcataacca      300
tcaagtcaac tgccatctcc ctcttctacg agctctcgga gaatgacttg aacttcatca      360
agcagagcaa ggacggtgcc ggcttctctca tcaacctcat tgactcccc ggcatgtcg      420
acttctcttc ggaggtgact gctgccctcc gagtcaccga tggcgcatg gtggtggtgg      480
actgctgtgc aggcgtgtgc gtgcagacgg agacagtgtc gcggcaggcc attgccgagc      540
gcatcaagcc tgtgctgatg atgaacaaga tggaccgcgc cctgctggag ctgcagctgg      600
agccccagga gctctaccag actttccagc gcatcgtgga gaacgtgaac gtcatactct      660
ccacctacgg cgagggcgag agcgccccca tgggcaacat catgatcgat cctgtcctcg      720
gtaccgtggg ctttgggtct ggctccacg ggtgggcctt caccctgaag cagtttgccg      780
agatgtatgt ggccaagttc gccgccaagg gggagggcca gttggggcct gccgagcggg      840
ccaagaaagt agaggacatg atgaagaagc tgtggggtga caggtaacttt gaccagacca      900
acggcaagtt cagcaagtca gccaccagcc ccgaaggga gaagctgcca cgcaccttct      960
gccagctgat cctggacccc atcttcaagg tgtttgatgc gatcatgaat ttcaagaaag     1020
aggagacagc aaaactgata gagaaactgg acatcaaact ggacagcgag gacaaggaca     1080
aagaaggcaa acccctgctg aaggctgtga tgcgcgctg gctgcctgcc ggagacgcct     1140
tgttgcagat gatcaccatc cacctgccct cccctgtgac ggcccagaag taccgctgcg     1200
agctcctgta cgaggggccc ccggacgacg aggctgccat gggcattaaa agctgtgacc     1260
ccaaaggccc tcttatgatg tatatttcca aaatggtgcc aacctccgac aaaggtcggt     1320
tctacgcctt tggacgagtc ttctcggggc tggctctccac tggcctgaag gtcaggatca     1380
tggggcccaa ctataccctt gggaagaagg aggacctcta cctgaagcca atccagagaa     1440
caatcttgat gatgggcccgc tacgtggagc ccatcgagga tgtgccttgt gggaacattg     1500
tgggcctcgt gggcgtggac cagttcctgg tgaagacggg caccatcacc accttcgagc     1560
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gcgagctgca cctggagatc tgctgaagg acctggagga ggaccacgcc tgcataccca     1800
tcaagaaatc tgacccggtc gtctcgtacc gcgagacggc cagtgaagag tcgaacgtgc     1860
tctgcctctc caagtcccc aacaagcaca accggctgta catgaaggcg cggcccttcc     1920
ccgacggcct ggccgaggac atcgataaag gcgaggtgtc cgcccgtcag gagctcaagc     1980
agcgggcgcg ctacctggcc gagaagtacg agtgggacgt ggctgaggcc cgcaagatct     2040
ggtgctttgg gcccgacggc accggcccca acatcctcac cgacatcacc aagggtgtgc     2100
agtacctcaa cgagatcaag gacagtgtgg tggccggctt ccagtgggcc accaaggagg     2160
gcgcactgtg tgaggagaac atgcggggtg tgcgcttcga cgtccacgac gtcaccctgc     2220
acgccgacgc catccaccgc ggagggggcc agatcatccc cacagcacgg cgctgcctct     2280

```

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|------|
| acgccagtgt | gctgaccgcc | cagccacgcc | tcatggagcc | catctacctt | gtggagatcc | 2340 |
| agtgtccaga | gcaggtgggc | ggtggcatct | acgggggttt | gaacaggaag | cggggccacg | 2400 |
| tgttcgagga | gtcccaggtg | gccggcacc | ccatgtttgt | ggtcaaggcc | tatctgcccg | 2460 |
| tcaacgagtc | ctttggcttc | accgctgacc | tgaggtccaa | cacgggcggc | caggcgttcc | 2520 |
| cccagtgtgt | gtttgaccac | tggcagatcc | tgcccggaga | ccccttcgac | aacagcagcc | 2580 |
| gccccagcca | ggtgggtggc | gagacccgca | agcgcaagg | cctgaaagaa | ggcatccctg | 2640 |
| ccctggacaa | cttcctggac | aaattgtagg | cggcccttcc | tgcagcgctt | gccgccccgg | 2700 |
| ggactcgcag | caccacacgc | accacgtcct | cgaattctca | gacgacacct | ggagactgtc | 2760 |
| ccgacacagc | gacgctcccc | tgagaggttt | ctggggcccc | ctgcgtgcca | tcactcaacc | 2820 |
| ataacacttg | atgccgtttc | tttcaatatt | tatttccaga | gtccggaggc | agcagacacg | 2880 |
| ccctcttagt | agggacttaa | tgggccggtc | ggggaggggg | aggcgggatg | ggacacccaa | 2940 |
| cactttttcc | atttcttcag | agggaaactc | agatgtccaa | actaatttta | acaaactaat | 3000 |
| tttaacaaac | gcattaagag | gtttatattg | gtacatggcc | cgcagtggct | tttgccccag | 3060 |
| aaaggggaaa | ggaacacgcg | ggtagatgat | ttctagcagg | caggaagtcc | tgtgcggtgt | 3120 |
| caccatgagc | acctccagct | gtactagtgc | cattggaata | ataaatttga | taagggtggtg | 3180 |
| aaaaaaaaaa | | | | | | 3190 |

```

<210> 7654
<211> 2132
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (122)...(1648)
<223> similar to gi619877 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

| | |
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| <400> 7654 | |
| attgaacgcc | 60 |
| atctctttca | 120 |
| gatgcagcgt | 180 |
| aacctccctc | 240 |
| tgctgtcccc | 300 |
| ggtctacttc | 360 |
| agcaggaaa | 420 |
| ggacatcaac | 480 |
| atgggactct | 540 |
| tgtcaaaa | 600 |
| agataccacc | 660 |
| ggagtccagt | 720 |
| tcccagtggt | 780 |
| caaggccctt | 840 |
| cttctacaaa | 900 |
| gtgctacttg | 960 |
| gtggaagcaa | 1020 |
| tcatacacc | 1080 |
| cctgtcagcc | 1140 |
| gctaaagctg | 1200 |
| tcaggacatg | 1260 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| catgtacacc | tcaaccctgt | acgggtgcct | ggcctcgctt | ctgtcccacc | actctgceca | 1320 |
| agaactggct | ggctccagga | ttggtgcctt | ctcttatggc | tctggtttag | cagcaagttt | 1380 |
| cttttcattt | cgagtatccc | aggatgctgc | tccaggctct | cccctggaca | agttgggtgc | 1440 |
| cagcacatca | gacctgccaa | aacgcctagc | ctcccgaag | tgtgtgtctc | ctgaggagtt | 1500 |
| cacagaaata | atgaaccaa | gagagcaatt | ctaccataag | gtgaatttct | ccccacctgg | 1560 |
| tgacacaaac | agccttttcc | caggtacttg | gtacctggag | cgagtggacg | agcagcatcg | 1620 |
| ccgaaagtat | gcccggcgtc | ccgtctaaag | gtgttctgca | gatccatgga | aagcttctcg | 1680 |
| ggaaacgtat | gctagcagag | cttctccccg | tgaatcatat | ttttaagatc | ccactcttag | 1740 |
| ctggtaaagt | aatttgaatc | gacatagtag | cccataagc | atcagcccct | gtagagttag | 1800 |
| ggagccatct | cctagccggg | cccttcattc | cctctcccat | gcctgcaatc | actgtcctgg | 1860 |
| gcttatgggt | cctatggact | aggggtcctt | tgtgaaagag | caagatggag | caatggagag | 1920 |
| aagacctctt | cctgaatcac | tggactccag | aatgtgcat | gcgagatcag | ctgttgctt | 1980 |
| caagatccag | ataaactttc | ctgtcatgtg | ttagaacttt | attattatta | atattgttaa | 2040 |
| acttctgtgc | tggttctgtg | aatctccaaa | ttttgtacct | tgttctaagc | taatatatag | 2100 |
| caattaaaaa | gagagaaaaa | ggaaaaaaa | aa | | | 2132 |

<210> 7655

<211> 1464

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (729)...(1335)

<223> similar to gi757907 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7655

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|------|
| caagcaagct | gcctgctcag | atggcagga | atgggggaaa | acaggagac | agtttctgt | 60 |
| ttgagatgtt | gggagatgct | tcgagtagta | tatttactgg | aaatagacat | tcaacttggg | 120 |
| tgtccctttt | tggaaatgtg | cctgcgtcca | gggctgggtt | ggggcccat | tgaactttgg | 180 |
| ctctgacaca | gctgttgcca | cactcaacgg | aactgaatct | atgtttgtct | tccccggcat | 240 |
| ccttcacccc | aactctcccc | gccacaacat | acatcccatg | ccagcctggg | gaccctcaaa | 300 |
| ggtggcttca | tcattaggtt | tgtggctggg | tcctactgaa | gtaagtcttg | gcactcagag | 360 |
| ggataggaat | tgaatgaaga | catgagattc | ctctgcggga | ggcctctcta | ggaaatctgt | 420 |
| ggactcacac | gtttactaat | gttgctgcag | ccccgcaccc | accttggcct | tgggcagcca | 480 |
| tactctaggg | cttttgtaac | ctctccatgt | gaggaaactca | aattagacct | gggtttggag | 540 |
| gcggtgctcc | gagctggcct | ttgggggagg | ttttgtgca | ggcatttccc | aagtgtggc | 600 |
| aggatttgtgt | cacagacaca | gagtaaactt | ttgctgggct | ccaagtgacc | gccatagtt | 660 |
| tattataaag | gtgactgcac | cctgcagcca | ccagcactgc | ctggctccac | gtgcctcctg | 720 |
| gtctcagtat | ggcgtgtgcc | tgggttctta | cagtccctgag | cctcctacct | ctgtgggaag | 780 |
| cccagatccc | attgtgtgcc | aacctagtag | cgggtgccc | caccaacgcc | accctggacc | 840 |
| ggatcactgg | caagtgtgtt | tatatcgcat | cggcctttcg | aaacgaggag | tacaataagt | 900 |
| cggttcagga | gatccaagca | accttctttt | acttcacccc | caacaagaca | gaggacacga | 960 |
| tctttctcag | agagtaccag | acccgacagg | accagtgc | ctataacacc | acctacctga | 1020 |
| atgtccagcg | ggaaaatggg | accatctcca | gatacgtggg | aggccaagag | catttcgctc | 1080 |
| acttgctgat | cctcagggac | accaagacct | acatgcttgc | ttttgacgtg | aacgatgaga | 1140 |
| agaactgggg | gctgtctgtc | tatgctgaca | agccagagac | gaccaaggag | caactgggag | 1200 |
| agttctacga | agctctcgac | tgcttgcgca | ttcccaagtc | agatgtcgtg | tacaccgatt | 1260 |
| ggaaaaagga | taagtgtgag | ccactggaga | agcagcacga | gaaggagagg | aaacaggagg | 1320 |

```

agggggaatc ctagcaggac acagccttgg atcaggacag agacttgggg gccatcctgc 1380
ccctccaacc cgacatgtgt acctcagctt tttccctcac ttgcatcaat aaagcttctg 1440
tgtttggaac agctaaaaaa aaaa 1464

```

```

<210> 7656
<211> 801
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (746)...(161)
<223> similar to gil741870 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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<400> 7656
tttttttttag accaacattc tttaatcaca aaggcacttg aggacccta caaacccaaa 60
gtctctgcca agagtggccc tgcagacgcc ccacctgcca cctccatcc acccatccat 120
ccacacactc agagttcatc gtgacctgca gagggtcca cactaggctt gatgaagatg 180
ccttccatgg ccttccacgt attgtgctg ttggcactgg gcatgccgtg gacctcatgc 240
tgccacgga tggggcttcc atactgctca cccgtgactg acaggaacac agaggtgccc 300
acatgctgga agcgcacagc agcctcacgc tcccagtgtg gtccagagca gcgcactgtc 360
cataggcca ggtcgtcgcc ctgcgcgtct tccccaaagg cactcacctc ctggttggtg 420
gacagcggcg acgggaagtg gtgcgtgtgc aggttcttgc ccgtaagcac atgcgtgagc 480
ctcaccgcct gcccgacgcg caccggggac ccgcgcgggc acccgccctc cgagccgcgc 540
cggatccgcc agtagctatt ggcgtcgtcc gacgcctcta cgccggtcac cgattgctgg 600
ccgctgccgc atccgtattt gatgtcgtgc gactgcagcc gcacgcggtg gtgcgtattg 660
agcagcttca gcaccgacc gcaggtcacg agctccgcac cggctcttggc ggcaccaccg 720
cccggcacta acagcgccag cagcagcccc aacagcaccg gccaggcagc cccgcgcgcg 780
cccgcgctcc acatcgcccc g 801

```

```

<210> 7657
<211> 1591
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1542)...(146)
<223> similar to gi4323640 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7657

```

| | | | | | | |
|------------|------------|-------------|------------|-------------|-------------|------|
| tttttttttt | ttgccaattc | agttctttac | tggagtggaa | gggctgggga | cacaactcct | 60 |
| ttatgaaagg | aaaccgaggg | ccacatctcg | ggccccaatc | tggggcggtc | aatccagccg | 120 |
| ctgctccggg | gcggcttggg | ctcaggccac | tctcttccct | gggcggcccc | ggccccggcc | 180 |
| tcgcccacca | tcccgggaag | ccccctctgg | ccccgcctg | gcctgggctc | cctgggactt | 240 |
| gtccttggtc | ttgggaaact | tctggtcaca | aaggcgaccc | ctgcctcgat | ccatttccca | 300 |
| ccgcttccgc | ttccgcctcg | gagacttggc | aagccgttcc | tgcttggcct | cggggaacag | 360 |
| gtcctcactg | ggcgcctcgc | ccaccgcctg | gcagaaatac | tcgatgtcat | catcttccctg | 420 |
| ttcatcatcg | tcctcaccca | actccaggct | cgccgtcctt | gaagggatcc | cagaggcctc | 480 |
| ttcatcacta | cccccgaccc | gtgccttctt | catgccctcc | aggctcttct | ttctgtgggc | 540 |
| ctcccgcctg | tcctgcttgc | gctgcacatt | ctgggcctgc | tgggcctgcc | tctgcgcctt | 600 |
| cagccgcagc | ttcttctcct | tggcttccag | gatggcctgc | agctcctcct | ccgtcttgct | 660 |
| cacaaaactg | tggaacatca | ctttgccctc | cccgcgccc | tcctggacct | tgatgagctg | 720 |
| cagtgtcatc | cgcgggccga | tctcgggtgag | ccgcactgca | ctctgctggg | cccgcagtgt | 780 |
| gccacggcca | gcgacagcct | gaggcagctc | tgtgatgttg | tggtcgccgt | caggctctgc | 840 |
| ctcgcctctc | gacagccccg | cgcccgtggc | cagcagctcg | ctgatgtcct | gcaggcggct | 900 |
| catgttgggg | aacttctcct | ggagcagctt | cttcatcccc | cgactcgcgc | ccacaggaac | 960 |
| aactttgatg | ctatagtggc | ggaagtccag | ctcctgggag | tcggggttgt | agtcgatgag | 1020 |
| gaggcagcgc | ttgatggtgt | tcaggttcac | cttgtgcacg | ttgatggagg | ggaacagggt | 1080 |
| ctggaacatg | gtggccatga | gcttcacatg | cataccatgg | gggccaaagc | tgttgagtac | 1140 |
| caggaggggt | gggtgggcaa | actgctgctc | gtgcatgcgg | tgccggcgca | gtgaggagac | 1200 |
| cacatcacgc | accagcgagt | acttcttcac | ctggaaggct | aagggtggggc | ctcctgggag | 1260 |
| gcgcacagc | ttaaagtaga | cattggtctc | tgttttgctc | aggatcagaa | agtgtgtgac | 1320 |
| cccagggggc | ccagccactg | ccacgcagtc | cttcagcgag | ttcttcttac | gaacctgcag | 1380 |
| acggctggca | gtgagcggct | ccatgacccg | ccgcacgtcc | aggctgagct | gccggatgtt | 1440 |
| gcgaccctg | cagcctcgcg | tgaacacgaa | cgagtgcggg | ttcgcgcat | aggcctcgag | 1500 |
| gttgcgagc | tgcgcctggg | cgcgggcgcg | cttctggtgc | cgggacctcc | ctgactgtcc | 1560 |
| catgctgctg | tgtcctccac | gaggcacgaa | a | | | 1591 |

<210> 7658

<211> 3738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (356)...(1577)

<223> similar to gi5459205 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7658

| | | | | | | |
|------------|--------------|------------|-------------|-------------|------------|-----|
| tttcgtggat | gaaggaggct | gtgcctccgg | gttgccacgaa | gagtccgagt | catttctcag | 60 |
| aaggttttga | taggtgggccc | ttagaggaga | cgccgcccag | caccgcaaga | actggaaaac | 120 |
| acacccctct | ctgtctgcct | gggagagcca | cggaaaattgg | cacttctctg | agtgaagctg | 180 |
| aggagaaggc | tgtaaactctg | ccaaaacagc | cttgaagtat | tcttttgtca | tgaggaaagt | 240 |
| acggctgctg | gaggggagggtg | aacaccacaa | ggagagatgg | catctggcct | gggccccgcc | 300 |
| tagcagcagc | tccacctcct | aggccaggcc | ctgtgggatg | cgccactaga | ccaccatgga | 360 |
| cggatcccac | agcgcagccc | tgaagctgca | gcagctgcct | cccacaagta | gctccagcgc | 420 |
| cgtaagcgag | gcctccttct | cctacaagga | aaacctgatt | ggcgccctct | tggcgatctt | 480 |
| cgggcacctc | gtgggtcagca | ttgcacttaa | cctccagaag | tactgccaca | tccgcctggc | 540 |
| aggctccaag | gatccccggg | cctatttcaa | gaccaagaca | tgggtggctgg | gcctgttctc | 600 |

| | | | | | | |
|-------------|------------|-------------|-------------|--------------|-------------|------|
| gatgcttctg | ggcgagctgg | gtgtgttgcg | ctcctacgcc | ttcgcgcgcg | tgtcaactcat | 660 |
| cgtgccccctc | agcgcagttt | ctgtgatagc | tagtgccatc | ataggaatca | tattcatcaa | 720 |
| ggaaaagtgg | aaaccgaaag | actttctgag | gcgctacgtc | ttgtcctttg | ttggctgctg | 780 |
| tttggctgtc | gtgggtacct | acctgctggt | gacattcgca | cccaacagtc | acgagaagat | 840 |
| gacaggcgag | aatgtcacca | ggcacctcgt | gagctggcct | ttccttttgt | acatgctggt | 900 |
| ggagatcatt | ctgttctgct | tgctgctcta | cttctacaag | gagaagaacg | ccaacaacat | 960 |
| tgtcgtgatt | cttctcttgg | tggcgttact | tggctccatg | acagtgggtga | cagtcaaggc | 1020 |
| cgtggctggg | atgcttgtct | tgtccattca | agggaaacctg | cagcttgact | accccatctt | 1080 |
| ctacgtgatg | ttcgtgtgca | tgggtggcaac | cgccgtctat | caggctgcgt | ttttgagtca | 1140 |
| agcctcacag | atgtacgact | cctctttgat | tgccagtgtg | ggctacattc | tgtccacaac | 1200 |
| cattgctatc | acagcaggtg | caatatTTtTa | cctggacttc | atcggggagg | acgtgctgca | 1260 |
| catctgcatg | tttgcaactg | ggtgectcat | tgcattcttg | ggcgtcttct | taatcacgcg | 1320 |
| taacaggaag | aagcccattc | catttgagcc | ctatatTTtTc | atggatgcca | tgccaggtat | 1380 |
| gcagaacatg | cacgataaag | ggatgactgt | ccagcctgaa | cttaaagctt | ctttttccta | 1440 |
| tggggctctg | gaaaacaatg | acaacatttc | tgagatctac | gctcctgcca | ccctgccagt | 1500 |
| catgcaagaa | gagcacggct | ccagaagtgc | ctctggggtc | ccctaccgag | tcctagagca | 1560 |
| caccaagaag | gaatgagact | cgcctccctc | tatttataac | tgtccctccc | aggctgacag | 1620 |
| tggttcaacc | ctgaatccta | aaacttgcc | ttcaagtctc | atTTtTgtTtTc | taactgagaa | 1680 |
| ctctatggat | gatgatctca | aaaagccttt | gtctctggga | aaggatgcgt | tatcttggtc | 1740 |
| ttggaaattt | caaatgatga | gggttggggg | atggaagcat | tattccaggt | ggacgggata | 1800 |
| gaatccagcc | tctgcctgga | ttagcccagg | gggatttTgga | aagcctttct | accatccttg | 1860 |
| aggatggtaa | ctgagcttcc | tctgacagtg | accaaaggat | gctgtatcct | tcagagctaa | 1920 |
| ggcaagacag | agagtctgct | gttaattctc | aaatccagcg | aaaggctgga | catctctaaa | 1980 |
| tctcgtcttc | ctccacctca | tgtgcatgcc | tgatctcacc | ctgacactcc | tgatgccgca | 2040 |
| tctgtgatag | cactcgtgtt | gccttcacat | ggcaggctgg | gccaaccctg | ggtgggaagg | 2100 |
| ttctgacatt | gtgtttttca | gaaatgtaca | tctgccttcc | agtcactctgt | gcccttctag | 2160 |
| ggaagatgtg | cttगतatgt | tcaaattgga | tctactctga | aaacgaaact | tggttttggg | 2220 |
| cctgtgagga | ctacttgttt | gtccacctcc | tccaccaag | gaattaggaa | gttaagagaa | 2280 |
| ggggaagaat | atggaggata | ggagaggggtg | atgatgcttt | agcccattaa | ggaagaaaag | 2340 |
| ttccccctac | tcttacaana | ggggattgca | ccacttaaaa | aaggataggt | agaaaatctg | 2400 |
| gccattttat | gtgttatttt | ttttcctgca | taccagtgcc | ccctggaaaag | atggggatgc | 2460 |
| tcattttcaga | gacagcctct | tcacctgtcc | tccgtctctc | cattacagag | ccacaagcca | 2520 |
| agcttgagtt | actggttaat | ttccttgaag | tcaatagaga | ctctctgggt | cctcatcccc | 2580 |
| atgcatatat | gtctgggaga | agcaagcatt | ctccaaaaca | gggctgttgc | tttcttctctg | 2640 |
| gccgcatatg | tgactgtctt | cccctagact | gatggtatac | ttttgagagg | ggcggataaa | 2700 |
| ggtttgcaaa | ctttaatggg | cataaggatc | ccctagaagc | atatgtaaaa | tgcagattcc | 2760 |
| tgcaccccaa | ctgcagacac | tgttaagtgg | gactggagtg | gggcccacgg | gtctgcattc | 2820 |
| ttaactggta | ccaccagtga | ttctgatgcg | atgcttcaat | cccagatttt | cacatctgga | 2880 |
| aagcctaaga | atttacaana | atgttctgct | aaaaccccca | gggccccatg | cagtcttgct | 2940 |
| agaaaatttc | ctccctaggg | ttcctttgga | aggttaaata | ctccccatag | gatctgtggc | 3000 |
| atttctccat | ccaatgaata | ctacttagag | ctacactcac | cacttcccta | gacagccttt | 3060 |
| aataggcatg | ataacagtgt | taatagacca | gtgtgataga | tcacttatct | ttatggattg | 3120 |
| tgcttaatac | tgatttagta | tcttgactcc | aaaaactgac | atctgttgtc | tgtgataacc | 3180 |
| acttctgtat | tgcgtcttaa | ccacttctgt | attgtgtggg | cttaactgcc | taaggcggca | 3240 |
| atgggcagtg | ggcccctttc | ccttaggatg | ggtatcaatt | caacaatatt | tataaggcat | 3300 |
| ttactgtgtg | ctaagcattt | ggaagacca | ggctacaaaa | taagacatag | ttcctgcctt | 3360 |
| ccaggccagc | agagggaggc | acaaataccc | aggaatctct | gatgggtgtg | aagtgcggtc | 3420 |
| gtgggccaca | gaaaatgacc | gtcatgggag | accctgctaa | aggtcggacc | ctgagcccaa | 3480 |
| aggggtattc | agaagtggag | atgatttttg | ccccactcat | agatgggtgg | caaactaag | 3540 |
| atttgtataa | agcatataaa | ataggggtgat | cacccccgag | gcagaggggc | cagcatttgc | 3600 |
| aaaggcacag | agctaagagg | agctgggcaa | agaaaggaaa | gccaggggaag | gttgggtggga | 3660 |
| gatgagtctc | aaagctaagt | agtggaagct | gggcacagtg | gctcatgcct | gcaatcccag | 3720 |
| cacttttggg | aggccaag | | | | | 3738 |

<210> 7659
 <211> 1963
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (307)...(728)
 <223> similar to gi671531 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7659

| | | | | | | |
|------------|-------------|------------|-------------|------------|-------------|------|
| tttcgtgcgg | cagcgcgcca | gagactggcg | ggcagctccg | cccgcggccg | ggatgcacta | 60 |
| ggcaaagcca | gctgggctcc | tgagtcgggt | gggtacttgg | agaacttact | acgtctagct | 120 |
| ggaggattgt | aaatgcacca | atcagcatgc | tgtgtctagc | tcaagaactc | aagctccatg | 180 |
| aggagatggt | tcattgtcga | gagcagtcac | gatggcctgc | actccacaca | atgcaacaga | 240 |
| gtgaaagagc | aggttctgct | tctttgggtg | agtcctgaag | cttcctaaga | aacttcacat | 300 |
| caggtgatgg | ataggagcaa | ccctgtaaaa | ccagccttag | actatTTTTc | aaacaggctg | 360 |
| gtgaattacc | agatctccgt | caagtgcagt | aaccagttca | agttggaagt | gtgtcttttg | 420 |
| aatgcagaaa | acaaagtcgt | ggacaaccag | gctgggaccc | agggccagct | gaagggtctg | 480 |
| ggtgccaaac | tctggtggcc | gtacctgatg | cacgaacacc | ccgcctacct | gtactcgtgg | 540 |
| gaggatgggt | attgctcaca | ccaaagcctt | ggacccctcc | cagcctgtga | cctttgtgac | 600 |
| caactccacc | tacgcagcag | acaagggggc | tctgtatgtg | gatgtgatcc | gtgtgaacag | 660 |
| ctactactct | tggtatcgca | actacgggca | cctggagttg | attcagctgc | agctggccgc | 720 |
| ccagtttgag | aattggtgta | agacatcaca | atcccattat | tcagagcgcg | tatggagtgg | 780 |
| aaacgcttgt | agggcttcac | cagtctttcc | cagggaaactc | cgatgaagtg | ttccaacaaa | 840 |
| atgagcaggt | gaaccaagaa | gaggatgaca | ttagatccag | gagatacaac | agaggagata | 900 |
| atctccagga | tgcctgtgaa | gaaagatccc | tggatcccag | gatgattata | ggacaagttg | 960 |
| ttcataatcc | agcaggccag | aagacttcca | gggaaactca | ttcaaggagg | tgaaaatgat | 1020 |
| ggatgactcc | tccaagatga | aaatggacca | gccgcagtgg | ctcacgcctg | taataccagc | 1080 |
| actttgggag | gctgaggcag | gcggatcact | tgagcacagg | agtttgaaac | tagcctggcc | 1140 |
| aacgtggcaa | aactccatct | ctattaaaaa | tacaaaaatt | agccaggcat | agtgggtgcat | 1200 |
| gcctgtagtc | ccagctactt | gggatgctga | ggcaggaaga | attgcttgaa | cctgggaggc | 1260 |
| agagtctgca | gtgagctgtg | atcaggccat | tgcattccag | cctgggtgac | agagtgagac | 1320 |
| catcacaaaa | aaaaaaaaaac | aaacaaataa | ataaataaat | aaataaataa | ataaataaaa | 1380 |
| aatctggacc | tcccaccaag | ggtgggaaac | atcagaaagc | tcagaggacc | acacctgccc | 1440 |
| gttcacctgt | cctgggctcc | tgctgaagcc | agggctacca | gatgggggca | aaagacctcc | 1500 |
| cttacgcaag | tcccaaacca | ccattacctc | ccacgagtac | agggaggcgg | ggtgttcgtg | 1560 |
| catcaggtag | ggccaccaga | ggttggcacc | cagcaccttc | agctggccct | gggtcccagc | 1620 |
| ctggttgctc | acgactttgt | tttctgcatt | caaaagacac | acttccaact | tgaactggtt | 1680 |
| actgcacttg | acggagatat | ggtaattcac | cagcctgttt | gaaaaatagt | ctaaggctgg | 1740 |
| ttttacaggg | ttgctcctat | ccatcacctg | atgtgaagtt | tcttaggaag | cttcaggact | 1800 |
| acaccaaaga | agcagaacct | gctctttcac | tctgtttcat | tgtgtggagt | gcaggccatc | 1860 |
| atgactgctc | tcttgagcta | gacacagcat | gctgattggt | gcatttacia | tcctccagct | 1920 |
| agacgtagta | agttctccaa | gtaccacccg | gcccacgcgt | ccg | | 1963 |

<210> 7660
 <211> 907
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (37)...(779)

<223> similar to gil90508 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7660

| | | | | | | |
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| tgcagagttg | ggagtgactc | cagagcctcc | agcgagatgc | tgctgattct | gctgtcagtg | 60 |
| gccctgctgg | ccctgagctc | agctgagagt | tcaagtgaag | atgtcagcca | ggaagaatct | 120 |
| ctcttcctaa | tatcaggaaa | gccagaagga | cgacgcccac | aaggaggaaa | ccagccccaa | 180 |
| cgtccccac | ctcctccagg | aaagccacaa | ggaccacccc | cacaaggagg | aaaccagtcc | 240 |
| caaggtcccc | cacctcctcc | aggaaagcca | gaaggacgac | ccccacaagg | aggcaaccag | 300 |
| tcccaaggtc | ccccacctca | tccaggaaag | ccagaaagac | cacccccaca | aggaggaaac | 360 |
| cagtcccaag | gtacccccacc | tcctccagga | aagccagaag | gacgaccccc | acaaggaggc | 420 |
| aaccagtccc | aaggtccccc | acctcctcca | ggaaagccag | aaagaccacc | cccacaagga | 480 |
| ggtaaccagt | cccaccgtcc | cccacctcct | ccaggaaagc | cagaaagacc | acccccacaa | 540 |
| ggaggcaacc | agtcccaagg | tccccacct | catccaggaa | agccagaaag | accacccccca | 600 |
| caaggaggca | accagtccca | ccgtccccca | cctcctggaa | agccacaagg | cccacccccca | 660 |
| gcaggaggca | atccccagca | gcctcaggac | cctcctgctg | gaaagcccca | ggggccacct | 720 |
| ccacctcctc | aagggggcag | gccaccagca | cctgcccagg | gacaacagtc | tcctcagtaa | 780 |
| tctaggattc | aatgacagga | agtgaataag | aagatgacag | tgtttcaa | gccttgaaac | 840 |
| ataatgtgat | catgctctaa | cttcaatata | ccaataaaat | aatcagcttg | caatttcaaa | 900 |
| aaaaaaa | | | | | | 907 |

<210> 7661

<211> 5812

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (107)...(5463)

<223> similar to gi2398621 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7661

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| tttatagcag | cagcagaaat | ataccaccct | agaggacaca | cctcctttta | gctaggtacc | 60 |
| tataaatgtc | caggattttc | tattcaattg | agaagaaccc | agcaaaatgg | ggatctccac | 120 |
| agtcacctt | gaaatgtgtc | ttttatgggg | acaagttcta | tctacagggtg | ggtggatccc | 180 |
| aaggactaca | gactacgctt | cactgattcc | ctcggagggtg | cccttggtatc | aaactgtagc | 240 |
| agaaggttct | ccatttccct | cggagtcgac | cctggagtca | actgcagcag | aaggttctcc | 300 |
| gatttccttg | gagtcaaccc | tggagtcaac | tgtagcagaa | ggttctctga | ttccctcaga | 360 |
| gtcaaccctg | gagtcaactg | tagcagaagg | atctgattct | ggtttggccc | tgaggctggt | 420 |
| gaatggagat | ggcaggtgtc | agggccgagt | ggagatccta | taccgaggct | cctggggcac | 480 |
| cgtgtgtgat | gacagctggg | acaccaatga | tgccaacgtg | gtctgtaggc | agctgggttg | 540 |

| | | | | | | |
|--------------|-------------|-------------|-------------|-------------|-------------|------|
| tggtctgggccc | atgtcagctc | caggaaatgc | ctggtttggc | cagggctcag | gacccattgc | 600 |
| cctggatgat | gtgcgctgct | caggacacga | atcctacctg | tggagctgcc | cccacaatgg | 660 |
| ctggctctcc | cataactgtg | gccatggtga | agatgctggt | gttatctgct | cagctgcccc | 720 |
| gcctcagtc | acactcaggc | cagaaagtgt | gcctgtcagg | atatcaccac | ctgtacccac | 780 |
| agaaggatct | gaatccagtt | tggccctgag | gctggtgaat | ggaggcgaca | ggtgtcgagg | 840 |
| ccgagtggag | gtcctatacc | gaggctcctg | gggcaccgtg | tgtgatgact | actgggacac | 900 |
| caatgatgcc | aatgtggtct | gcaggcagct | gggctgtggc | tgggccatgt | cagccccagg | 960 |
| aaatgcccag | tttggccagg | gctcaggacc | cattgtcctg | gatgatgtgc | gctgctcagg | 1020 |
| acacgagtcc | tacctgtgga | gctgccccca | caatggctgg | ctcaccacac | actgtggcca | 1080 |
| tagtgaagac | gctggtgtca | tctgctcagc | tccccagtc | cggccgacac | ccagcccaga | 1140 |
| tacttggccg | acctcacatg | catcaacagc | aggacctgaa | tccagtttgg | ccctgaggct | 1200 |
| ggtgaatgga | ggtgacaggt | gtcagggccg | agtggaggct | ctataccgag | gctcctgggg | 1260 |
| caccgtgtgt | gatgatagct | gggacaccag | tgacgccaat | gtggtctgcc | ggcagctggg | 1320 |
| ctgtggctgg | gccacgtcag | ccccaggaaa | tggccggttt | ggccagggtt | caggacccat | 1380 |
| tgtcctggat | gacgtgcgct | gctcaggcta | tgagtcctac | ctgtggagct | gccccacaaa | 1440 |
| tggtctggctc | tcccataact | gtcagcacag | tgaagacgct | ggtgtcatct | gctcagctgc | 1500 |
| ccactcctgg | tgcagcctca | gtccagacac | attgccgacc | atcaccttgc | ctgcatcgac | 1560 |
| agtaggatct | gaatccagtt | tggccctgag | gctggtgaat | ggagggtgaca | ggtgtcaggg | 1620 |
| ccgagtggag | gtcctatacc | aaggctcctg | gggcaccgtg | tgcgatgaca | gctgggacac | 1680 |
| caatgatgcc | aatgtcgtct | gcaggcaacc | gggctgtggc | tgggccatgt | cagccccagg | 1740 |
| aaatgcccgg | tttggtcagg | gctcaggacc | cattgtcctg | gatgatgtgc | gctgctcagg | 1800 |
| acacgagtct | taccctgtgga | gctgccccca | caatggctgg | ctctcccaca | actgtggcca | 1860 |
| tagtgaagac | gctggtgtca | tctgctcagc | ttcccagtc | cggccaacac | ctagtccaga | 1920 |
| cacttggcca | acctcacatg | catcaacagc | aggatctgaa | tccagtttgg | ccctgaggct | 1980 |
| ggtgaatgga | ggtgacaggt | gtcagggccg | agtggaggct | ctataccgag | gctcctgggg | 2040 |
| caccgtgtgt | gatgactact | gggacaccaa | tgatgccaat | gtggtttgca | ggcagctggg | 2100 |
| ctgtggctgg | gccatgtcag | ccccaggaaa | tggccggttt | ggccagggtt | caggacccat | 2160 |
| tgtcctggat | gtatgtcgct | gctcaggaca | tgagtcctat | ctgtggagct | gccccacaaa | 2220 |
| tggtctggctc | tcccacaact | gtggccatca | tgaagacgct | ggtgtcatct | gctcagcttc | 2280 |
| ccagtcccag | ccgacaccca | gcccagacac | ttggccaacc | tcacatgcat | caacagcagg | 2340 |
| atctgaatcc | agtttggccc | tgaggctggt | gaatggagggt | gacagggtgtc | agggccgaggt | 2400 |
| ggagggtccta | taccgaggct | cctggggcac | cgtgtgtgat | gactactggg | acaccaatga | 2460 |
| tgccaatgtg | gtttgcaggc | agctgggctg | tggctgggccc | acgtcagccc | caggaaatgc | 2520 |
| ccggtttggc | cagggttcag | gacccattgt | cctggatgat | gtgcgctgct | caggacatga | 2580 |
| gtcctatctg | tggagctgcc | cccacaatgg | ctggctctcc | cacaactgtg | gccatcatga | 2640 |
| agacgctggt | gtcatctgct | cagcttccca | gtcccagccg | acaccagccc | cagacacttg | 2700 |
| gccaacctct | cgtgcatcaa | cagcaggatc | tgaatccact | ttggccctga | gactggtgaa | 2760 |
| tggagggtgac | aggtgtcgag | gccgagtggg | ggtcctatac | caaggctcct | ggggcaccgt | 2820 |
| gtgtgatgac | tactgggaca | ccaatgatgc | caacgtggtc | tgcaggcagc | tgggctgtgg | 2880 |
| ctgggccatg | tcagccccag | gaaatgcccc | gtttggccag | ggctcaggac | ccattgtcct | 2940 |
| ggatgatgtg | cgctgctcag | gacacgagtc | ttacctgtgg | agctgcccc | acaatggctg | 3000 |
| gctctcccac | aactgtggcc | atcatgaaga | tgtggtgtgc | atctgctcag | ctgctcagtc | 3060 |
| ccagtcaacg | cccaggccag | atacttggct | gaccaccaac | ttaccggcat | tgacagtagg | 3120 |
| atctgaatcc | agtttggctc | tgaggctggt | gaatggagggt | gacagggtgtc | gaggccgaggt | 3180 |
| ggaggctcctg | tatcgaggct | cctggggaac | cgtgtgtgat | gacagctggg | acaccaatga | 3240 |
| tgccaatgtg | gtctgcaggc | agctgggctg | tggctgggccc | atgtcggccc | caggaaatgc | 3300 |
| ccggtttggc | cagggtcag | gacccattgt | cctggatgat | gtgcgctgct | cagggaatga | 3360 |
| gtcctacctg | tggagctgcc | cccacaaagg | ctggttcacc | cacaactgtg | gccatcacga | 3420 |
| agacgctggt | gtcatctgct | cagccaccca | aataaattct | actacgacag | attggtggca | 3480 |
| tccaacaact | acaaccactg | caagaccctc | ttcaaattgt | ggtggcttct | tattctatgc | 3540 |
| cagtgggaca | ttctccagcc | catcctaccc | tgcatactac | cccaacaatg | ctaagtgtgt | 3600 |
| ttgggaaata | gaagtgaatt | ctggttatcg | cataaacctg | ggcttcagta | atctgaaatt | 3660 |
| ggaggcacac | cataactgca | gttttgatta | tgttgaaatc | tttgatggat | cattgaaatg | 3720 |
| cagtctcctg | ctggggaaaa | tctgtaatga | taccaggcaa | atattttacat | cttcttataa | 3780 |
| ccgaatgacc | attcactttc | gaagtgcacat | cagtttccaa | aacactggct | ttttggcttg | 3840 |
| gtataactcc | ttcccgaagc | atgccacctt | gaggttggtc | aattttaaat | catcctatgg | 3900 |
| tctatgtgcc | gggctgtgag | aaattttacca | tgggtggcacc | tgggggacag | tttgtgatga | 3960 |

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|------|
| ctcctggacc | attcaggaag | ctgaggtggt | ctgcagacag | ctaggggtgtg | gacgtgcagt | 4020 |
| ttcagccctt | ggaaatgcat | atcttggctc | tggtctctggc | cccatcacc | tggacgatgt | 4080 |
| agagtgtca | gggacggaat | ccactctctg | gcagtgcgg | aaccgaggct | ggttctccca | 4140 |
| caactgtaat | catcgtgaag | atgctggtgt | catctgtctca | ggaaaccatc | tatcgacacc | 4200 |
| tgctcctttt | ctcaacatca | cccgtccaaa | cacagattat | tctgctggag | gcttcctatc | 4260 |
| ccaaccatca | ggggacttgt | ccagcccatt | ctatcccggg | aactatccaa | acaatgccaa | 4320 |
| gtgtgtgtgg | gacattgagg | tgcaaaacaa | ctaccgtgtg | actgtgatct | tcagagatgt | 4380 |
| ccagcttgaa | gggtggctgca | actatgatta | tattgaagtt | ttcgatggcc | cctaccgcag | 4440 |
| ttccccctctc | attgctcgag | tttgtgatgg | ggccagaggc | tccttcactt | cttcctccaa | 4500 |
| cttcagtgtc | attcgcttca | tcagtgacca | cagcatcaca | aggagagggt | tccgggctga | 4560 |
| gtactactcc | agtccctcca | atgacagcac | caacctgtct | tgtctgccaa | atcacatgca | 4620 |
| agccagtgtg | agcaggagct | atctccaatc | cttgggcttt | tctgccagt | accttgccat | 4680 |
| ttccacctgg | aatggatact | acgagtgtcg | gccccagata | acgccgaacc | tggatgatatt | 4740 |
| cacaattccc | tactcaggct | gcggcacctt | caagcaggca | gacaatgaca | ccatcgacta | 4800 |
| ttccaacttc | ctcacagcag | ctgtctcagg | tggcatcatc | aagaggagga | cagacctccg | 4860 |
| tattcacgtc | agctgcagaa | tgcttcagaa | cacctgggtc | gacacctatgt | acattgctaa | 4920 |
| tgacaccatc | cacgttgcta | ataacaccat | ccaggtcgag | gaagtccagt | atggcaattt | 4980 |
| tgacgtgaac | atttcctttt | atacttcctc | atctttcttg | tatcctgtga | ccagccgccc | 5040 |
| ttactacgtg | gacctgaacc | aggacttgta | cgttcagggt | gaaatcctcc | attctgatgc | 5100 |
| tgtactgacc | ttgtttgtgg | acacctgcgt | ggcatcacca | tactccaatg | acttcacgtc | 5160 |
| tttgacttat | gatctaatac | ggagtggatg | cgtgagggat | gacacctacg | gacctacttc | 5220 |
| ctcgccgtct | cttcgcattg | cccgtttccg | gttcaggggc | ttccacttcc | tgaaccgctt | 5280 |
| ccctccgtg | tacctgcgtt | gtaaaatggt | ggtgtgcaga | gcgtatgacc | cctcttccc | 5340 |
| ctgctaccga | ggctgtgtgt | tgaggtcgaa | gagggatgtg | ggctcctacc | aggaaaagg | 5400 |
| ggacgtcgtc | ctgggtccca | tccagctgca | gaccccccca | cgccgagaag | aggagcctcg | 5460 |
| gtaggtggtc | gctctcagac | cccactgtcc | accggggcgc | agacccctga | ctcggggact | 5520 |
| tgggatgttc | ctcttgggtg | catattccaa | ctcagattga | gccctacatt | gtgctgcacc | 5580 |
| tggtcatacg | gagttgaatc | agacctgggt | cccgcctccc | ccaaggctca | tggctccttg | 5640 |
| aggacctggt | gcaggggtgag | gtcaagagag | ttctgacctg | gatggcccat | agacctgacg | 5700 |
| tcccagaatc | catgcttctc | atctgcaaaa | tgaaaatgtc | aatacttact | tcttagcact | 5760 |
| gttgagaggg | ttactttacat | aaaggaattt | tggtgaaact | gcaaaaaaaaa | aa | 5812 |

<210> 7662

<211> 2393

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (52)...(2154)

<223> similar to gi35792 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7662

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| ttgtgtccac | tctgtctggt | gggttttagc | ttgccgtctg | ccagggtctt | caggggcaac | 120 |
| gagaccactg | ccgacagcaa | cgagacaacc | acgacctcag | gccctccgga | cccgggcgcc | 180 |
| tcccagccgc | tgctggcctg | gctgctactg | ccgtgtctgc | tctctctctt | cgtgctcctt | 240 |
| ctcgccgcct | acttcttcag | gttcaggaag | cagaggaaag | ctgtggctcag | caccagcgac | 300 |
| aagaagatgc | ccaacggaat | cttggaggag | caagagcagc | aaagggtgat | gctgctcagc | 360 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| aggtcacccct | cagggcccaa | gaagtatttt | cccatccccg | tggagcacct | ggaggaggag | 420 |
| atccgtatca | gatccgccga | cgactgcaag | cagtttcggg | aggagttcaa | ctcattgcc | 480 |
| tctggacaca | tacaaggaac | ttttgaaactg | gcaaataaag | aagaaaacag | agaaaaaac | 540 |
| agatatccca | acatccttcc | caatgaccat | tctaggggtga | ttctgagcca | actggatgga | 600 |
| attccctggt | cagactacat | caatgcttcc | tacatagatg | gttaciaaaga | gaagaataaa | 660 |
| ttcatagcag | ctcaagggtcc | caaacaggaa | acgggttaacg | acttctggag | aatgggtctgg | 720 |
| gagcaaaagt | ctgcgaccat | cgtcatgtta | acaaacttga | aagaaaggaa | agaggaaaag | 780 |
| tgccatcagt | actggcccga | ccaaggctgc | tggacctatg | gaaacatccg | ggtgtgcgtg | 840 |
| gaggactgcg | tggtttttgg | cgactacacc | atccggaagt | tctgcataca | gccacagctc | 900 |
| cccgcaggct | gcaaagcccc | caggettggtc | tcacagctgc | acttcaccag | ctggcccgc | 960 |
| ttcggagtgc | cttttaccct | cattgggatg | ctgaagttcc | tcaagaaagt | aaagacgctc | 1020 |
| aaccccgctg | acgctggggc | catcggtggtc | cactgtagcg | cgggcgtggg | ccggacgggc | 1080 |
| accttcattg | tgatcgatgc | catgatggcc | atgatgcacg | cggagcagaa | ggtggatgtg | 1140 |
| tttgaatttg | tgtctcgaat | ccgtaatcag | cgcctcaga | tggttcaaac | ggatatgcag | 1200 |
| tacacgttca | tctaccaagc | cttactcgag | tactacctct | acggggacac | agagctggac | 1260 |
| gtgtcctccc | tggagaagca | cctgcagacc | atgcacggca | ccaccacca | cttcgacaag | 1320 |
| atcgggctgg | aggaggagtt | caggaaattg | acaaatgtcc | ggatcatgaa | ggagaacatg | 1380 |
| aggacgggca | acttgccggc | aaacatgaag | aaggccaggg | tcatccagat | catcccgtat | 1440 |
| gacttcaacc | gagtgatect | ttccatgaaa | aggggtcaag | aatacacaga | ctacatcaac | 1500 |
| gcatecttca | tagacggcta | ccgacagaag | gactatttca | tcgccacca | ggggccactg | 1560 |
| gcacacacgg | ttgaggactt | ctggaggatg | atctgggaat | ggaaatccca | cactatcgtg | 1620 |
| atgctgacgg | aggtgcagga | gagagagcag | gataaatgct | accagtattg | gccaaccgag | 1680 |
| ggctcagtta | ctcatggaga | aataacgatt | gagataaaga | atgataccct | ttcagaagcc | 1740 |
| atcagtatac | gagactttct | ggtcactctc | aatcagcccc | aggcccgcga | ggaggagcag | 1800 |
| gtccgagtag | tgcgccagtt | tcacttccac | ggctggcctg | agatcgggat | tcccgcgcag | 1860 |
| ggcaaaggca | tgattgacct | catcgagcc | gtgcagaagc | agcagcagca | gacaggcaac | 1920 |
| caccccatca | ccgtgcactg | cagtgcggga | gctgggcgaa | caggtacatt | catagccctc | 1980 |
| agcaacattt | tggagcgagt | aaaagccgag | ggacttttag | atgtatttca | agctgtgaag | 2040 |
| agtttacgac | ttcagagacc | acatatggtg | caaaccctgg | aacagtatga | attctgttac | 2100 |
| aaagtggtag | aagattttat | tgatatattt | tctgattatg | ctaatttcaa | atgaagattc | 2160 |
| ctgccttaaa | atatttttta | atttaatgga | acaaaggaga | agccactttc | cccaggacgc | 2220 |
| aagactctcc | cctccactgt | ccgggacagc | gttcgccctt | tagcggggag | gtcattacag | 2280 |
| cctcatggcc | tctaccaagg | ccccagatca | caggatctcc | tgggccttgg | agcacctcac | 2340 |
| gctgggggaa | tcaatccctg | agggactcag | aatcttctcc | gtgcaacctg | gaa | 2393 |

<210> 7663

<211> 1206

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1194)...(276)

<223> similar to gi5912548 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7663

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| gttttaaattt | ttttacacta | tagcatttat | gcaatggttt | acagaattca | tggagtattt | 120 |
| tttatcagta | tgggaattaa | ttaaaacctt | gaatctttgt | tttgtctgct | tctctgagca | 180 |

| | | | | | | |
|------------|-------------|------------|-------------|-------------|------------|------|
| caagcctggt | cagctgggtcc | ctgcgggtcc | taccagccag | cttctctgta | gggctctcgg | 240 |
| ccgcgtccac | ctctgctctc | ccaccacaag | gtcacaaact | cccacgcagt | cctgggtcac | 300 |
| cccgcagctg | ctctggagac | ttggctctgg | gcgtctcgtg | gcccagtg | tccaagttgg | 360 |
| aagtttctgt | gggcctcgtg | taggggatgc | cgtgctgggt | gagcaaact | ttcagccttt | 420 |
| tgatctcctt | tgagagttct | ttatgagcct | tctgcagtt | ttccagggtc | tcaaacccca | 480 |
| agctgtcagg | acctccctcc | agctgggtgg | gttcattttc | ttctggggtc | tttaagtagc | 540 |
| cagcatcctc | aaaaagtgtc | ctcagcaact | tctcatggcc | ctgggggggtg | atcagctcat | 600 |
| cggccaggtc | ctgctctacc | tggteccact | gccgctgcag | ggcctctggc | agggttgggt | 660 |
| acactagcaa | ggcgtggggg | tggcagacga | gggggtctc | gaacgtcagc | gcgtagacgc | 720 |
| aggtgctcgg | ctcggacaca | tgggccagcc | ggttgctttt | tccacacgcc | agctccacct | 780 |
| tgctctgcgg | gctccgggaa | cggcaggcgt | caccgtccct | catccacatg | cccgtaagg | 840 |
| tgttgttggc | gatctcccac | tcgtgccaga | tgccaggat | cccactgtag | gcgttccagc | 900 |
| ggaaggtctg | ctcgtgctgg | gtcacgttgt | ggaacgggca | gaactcatac | ttgtacgtgg | 960 |
| actccaccag | gctgaagcac | ttgcccagga | gtcgggaagag | atgcacgggt | ccagacacgg | 1020 |
| gtgaaggatc | cctcttggcc | tggaggcgac | tggcctgagg | caagaacggg | ttgttcaccc | 1080 |
| caaacgcgtt | gggctcctcc | accaccttca | tcttcgctgc | acctgccggc | gcgggcccgc | 1140 |
| cggccgagag | cccgaggagc | aacaggagcc | gcgccagccc | cgcgcctatc | gcgcgcgagc | 1200 |
| ggccgc | | | | | | 1206 |

<210> 7664

<211> 2870

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (72)...(1202)

<223> similar to gi256178 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7664

| | | | | | | |
|------------|-------------|------------|------------|-------------|-------------|------|
| tttcgtgtca | gtggcgctag | cggcggacce | ggctgggcag | ttccttcccc | agaaggagag | 60 |
| attcctctgc | catggagtcc | tacgatgtga | tcgccaacca | gcctgtcgtg | atcgacaacg | 120 |
| gacccgggtg | gattaaagct | ggttttgctg | gtgatcagat | ccccaaatac | tgctttccaa | 180 |
| actatgtggg | ccgacccaag | cacgttcgtg | tcatggcagg | agcccttgaa | ggcgacatct | 240 |
| tcattggccc | caaagctgag | gagcaccgag | ggctgctttc | aatccgctat | cccatggagc | 300 |
| atggcatcgt | caaggattgg | aacgacatgg | aacgcatttg | gcaatatgtc | tattctaagg | 360 |
| accagctgca | gactttctca | gaggagcatc | ctgtgctcct | gactgaggcg | cctttaaacc | 420 |
| cacgaaaaaa | ccgggaacga | gctgccgaag | ttttcttcga | gaccttcaat | gtgcccgcctc | 480 |
| ttttcatctc | catgcaagct | gtactcagcc | tttacgctac | aggcaggacc | acaggggtgg | 540 |
| tgctggattc | tggggatgga | gtcacccatg | ctgtgcccat | ctatgagggc | tttgccatgc | 600 |
| cccactccat | catgcgcctc | gacatcgccg | gccgggacgt | ctctcgcttc | ctgcgcctct | 660 |
| acctgcgtaa | ggagggtctac | gacttccact | catcctctga | gtttgagatt | gtcaaggcca | 720 |
| taaaagaaag | agcctgttac | ctatccataa | acccccaaaa | ggatgagacg | ctagagacag | 780 |
| agaaagctca | gtactacctg | cctgatggca | gcaccattga | gatttggtcct | tcccgattcc | 840 |
| gggcccctga | gttgctcttc | aggccagatt | tgattggaga | ggagagtga | ggcatccacg | 900 |
| aggtcctggt | gttcgccatt | cagaagtcag | acatggacct | gcggcgacag | cttttctcta | 960 |
| acattgtcct | ctcaggaggc | tctaccctgt | tcaaaggttt | tggtgacagg | ctcctgagtg | 1020 |
| aagtgaagaa | actagctcca | aaagatgtga | agatcaggat | atctgcacct | caggagagac | 1080 |
| tgtattccac | gtggattggg | ggctccatcc | ttgcctccct | ggacaccttt | aagaagatgt | 1140 |

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|------|
| gggtctccaa | aaaggaatat | gaggaagacg | gtgcccgatc | catccacaga | aaaaccttct | 1200 |
| aatgtcggga | catcatcttc | acctctctct | gaagttaact | ccacttttaa | actcgctttc | 1260 |
| ttgagtcgga | gtgtttgcga | ggaactgcct | gtgtgtgagt | gcgtgtgtgg | atatgagtgt | 1320 |
| gtgcgcacat | gcgagtgcg | tgtggccctg | ggaccctggg | cccagaaagg | acgatgaact | 1380 |
| acccgcagt | gtgatgatgc | ctgaggcctg | ggggttgacc | actaactggc | tcctgacagg | 1440 |
| gaagagcgct | ggcagaggct | gtgctccctc | ctcagggtgc | ctctggctgg | ctgtggggga | 1500 |
| ctggctgtgg | gggactccgt | ttactaccac | agggagacag | agggaggtaa | gccatcccc | 1560 |
| gggacacctt | gctgctgacc | atcctaggct | gggctggccc | caccctcacc | cccaccccc | 1620 |
| gggtgccctg | aggccccagg | cagctgctgc | ctccactatc | gatgcctcct | gactgcacac | 1680 |
| tgaggactgg | gactgggggt | gagttctgtc | tggttttgtt | gccattttgg | tttgggaggc | 1740 |
| tggaaaagca | ccccagaag | ctattacaga | gactggagtc | aggagagagc | aggagccct | 1800 |
| catgttcacc | agggaacagg | accacaccgg | ccactgaagg | agggcaggag | cagtccctcc | 1860 |
| tctgaatggc | tgcagagtta | atgttccag | cccagtcccc | tttcgggggc | cttgggagag | 1920 |
| tttaaggcac | ctgctgggtc | caggacctcg | ctttccatct | gttcttggtg | caatgccatc | 1980 |
| ttcaaaccgt | tttatattt | gaagtgtttg | ttcagttagg | ggctggagag | agggagcttg | 2040 |
| ctgcctcctg | ccttgctaca | ctaattgtta | cagcacctaa | gcttagcctc | cagggcccca | 2100 |
| cctctcccag | ctgatggtga | gctgacagt | tccacagggt | ccaggaccat | ttgagattgg | 2160 |
| aagctacact | caaagacact | cccaccaggc | tctttctccc | ttttcctctt | ctcactgccc | 2220 |
| tggaatcaac | aggctgggtg | ctgggttagat | tttctgaaac | aggaggtaaa | atttttcttt | 2280 |
| ggcagaggcc | cctaagcaag | ggaggggtgt | tggagagcca | gtgcccttaa | gactggagaa | 2340 |
| agctgcaatt | taccaagttg | ccttttgcca | ctgtagctga | ccaggggact | aggttgtaga | 2400 |
| ggtgggaagg | cccctctggg | ctgatcttgt | gccattcttg | accttggacc | tgcttggtta | 2460 |
| aggagggagt | gggccagacc | agagtgccag | gagctaattg | agccaggcct | gacacctagg | 2520 |
| agtgggtccaa | agccttcagc | ctagatggtg | caaagctggg | gccagcctgt | cttcaccggc | 2580 |
| accctcacct | gtgacaccaa | gacccacccc | aatccagact | tcacacagta | ttctccccca | 2640 |
| cgccgtctat | gaccaaaggc | ccctgccagg | tgtgggtcca | cagcagcagg | tatgtgtgaa | 2700 |
| agcaacgtag | cgccccgcgg | actgcagtgc | gcttaaccaa | ctcacctccc | ttctcttagc | 2760 |
| ccaagcctgt | ccctcgca | gcctcgca | aaccacattg | cctgggtggg | cccagtgtac | 2820 |
| tgaataaag | tcgttccgat | agacacgtca | aaaaaaaaa | accgaattc | | 2870 |

<210> 7665

<211> 1457

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1458)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1387)...(773)

<223> similar to gi602438 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7665

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | ttatttataa | agatttatta | cagcacggga | ggggttcagg | cctggagtca | 60 |
| gggaagaagg | ggaaaggggc | agagcagctg | ggggacaagg | aaaacctggc | gcccccgct | 120 |
| gtgtgcccc | ccggggacat | aaactaggcg | gcattcctgg | catcaaagca | caaaacgcaa | 180 |

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|------|
| caaagaggtc | tctgccagtc | catcttccag | gcacccagga | ggagcaaggg | tgattaaggg | 240 |
| aagattccca | aaatgttgag | gctatggaga | aaaacgcctt | agtcctggac | cctggtagaa | 300 |
| gccggtgaga | gaagtggtag | cttggaatcc | tccataggaa | agtgggtaga | aaaggatcta | 360 |
| agggtaacctc | aaaggttctca | ggacctcctt | tccccagatc | ttagggctcct | gccctgtggg | 420 |
| tctcctgtgt | ccagggggaga | ggatctgggg | agtagaattg | tgaagggcaa | atccctgttc | 480 |
| ccggttttct | ggattttcca | atgtgggctg | tctcacatcc | cacctcccgc | tgggtgaatg | 540 |
| gaggaatgac | tggcaggggt | gggcatcagg | cagcaagtgc | ccaggttctc | tgggtatcag | 600 |
| ccaaaggtgg | gcaaacaagc | aaacacagac | cagccttagt | cttctagaag | tcagaagccg | 660 |
| cagccctagc | aggcgagggg | aagagcacia | aacaggggtga | ggatagagt | ggtttctggg | 720 |
| gaacagcgat | gtccctcca | cttctcctg | ggagatgcag | gctgggtgcc | tatgtgccag | 780 |
| gctcagaggg | ggaagggcgc | tgaggttctt | ccccaggctc | acttagtgct | gggtcttcca | 840 |
| cttggtcctc | agagcctcca | tctctctcgg | actcatccag | aggggggtggg | cgctcccagg | 900 |
| gcccttccag | accctggcca | caggttgtct | tttgcccagc | agactgcctg | atgaccttca | 960 |
| ggacttcagc | ctggtgttcc | tcttcttctt | cctcttcttc | atcatctctc | tcttctctct | 1020 |
| catcttcctc | tcttgataa | cccagctccc | gaagctcccc | cagctcatcc | tcctctctctg | 1080 |
| aggcctgggt | ctcattcaaa | ttgctgatag | actgcagggtg | agactcagca | atgcgctgca | 1140 |
| cagctttcag | cgaaggtggg | gtgtaggcac | aggggttggg | tctcttcgac | ttgagatggg | 1200 |
| gccccctctc | tgaggtcttc | tgggtggggg | aggtctcctc | ctctggtgag | gagtgctctg | 1260 |
| agagccggaa | cagcatggca | ggcgttgggc | tcctgcgcgc | gatcatctcc | acctggcggg | 1320 |
| ggtcgagctg | gctagggggc | gcgggcaccg | agaactggat | cttcttgccg | tccataaaat | 1380 |
| ccatagcgcg | cggggtgggc | ggtggggctg | gggtgcgcga | ctcggggtcc | cgaattccnc | 1440 |
| cacgtggtc | gagaggt | | | | | 1457 |

<210> 7666

<211> 1219

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (109)...(524)

<223> similar to gi2267084 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7666

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|------------|-----|
| ttacgccaaag | cttggcacga | ggagcgagct | gagtggttgt | gtggtcgcgt | ctcgaaacc | 60 |
| ggtagcgctt | gcagcatggc | tgaccaactg | actgaagagc | agattgcaga | attcaaagaa | 120 |
| gctttttcac | tatttgacaa | agatgggtgat | ggaactataa | caacaaagga | attgggaact | 180 |
| gtaatgagat | ctcttgggca | gaatcccaca | gaagcagagt | tacaggacat | gattaatgaa | 240 |
| gtagatgctg | atggtaatgg | cacaattgac | ttccctgaat | ttctgacaat | gatggcaaga | 300 |
| aaaatgaaag | acacagacag | tgaagaagaa | attagagaag | cattccgtgt | gtttgataag | 360 |
| gatggcaatg | gctatattag | tgctgcagaa | cttcgccatg | tgatgacaaa | ccttggagag | 420 |
| aagttaacag | atgaagaagt | tgatgaaatg | atcaggggaag | cagatattga | tgggtgatgg | 480 |
| caagtaaaact | atgaagagtt | tgtacaaatg | atgacagcaa | agtgaagacc | ttgtacagaa | 540 |
| tgtgttaaata | ttcttgtaca | aaattgttta | tttgcctttt | ctttgtttgt | aacttatctg | 600 |
| taaaaggttt | ctccctactg | tcaaaaaaat | atgcatgtat | agtaattagg | acttcattcc | 660 |
| tccatgtttt | cttcccttat | cttactgtca | ttgtcctaaa | accttatttt | agaaaattga | 720 |
| tcaagtaaca | tgttgcatgt | ggcttactct | ggatatatct | aagcccttct | gcacatctaa | 780 |
| acttagatgg | agttgggtcaa | atgaggggaac | atctgggtta | tgcttttttt | aaagtagttt | 840 |
| tctttaggaa | ctgtcagcat | gttgtgtgtg | aagtgtggag | ttgtaactct | gcgtggacta | 900 |

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|------|
| tggacagtca | acaatatgta | cttaaaaagtt | gcactattgc | aaaacgggtg | tattatccag | 960 |
| gtactcgtac | actatTTTT | tgtactgctg | gtcctgtacc | agaaacattt | tcttttattg | 1020 |
| ttacttgctt | tttaaacctt | gttttagccac | ttaaaatctg | cttatggcac | aatttgccctc | 1080 |
| aaaatccatt | ccaagttgta | tatttgTTTT | ccaataaaaa | aattacaatt | tacccaatgg | 1140 |
| ttgctctgca | tctgagtcac | ttaactgttg | aagtctaata | attttgaaaa | taaaatatgg | 1200 |
| cattggttta | aaaaaaaaa | | | | | 1219 |

<210> 7667

<211> 2103

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (85)...(1396)

<223> similar to gil806040 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7667

| | | | | | | |
|-------------|-------------|------------|-------------|------------|-------------|------|
| tcgtggcagc | cggagtcgtc | ttcgggacgc | gcctgctctt | cgcctttcgc | tgcagtcctg | 60 |
| cgatttcttt | ctccaggaag | aaaaatggca | tccgttgtag | ttgatccaca | accgagtggtg | 120 |
| gtgactcggg | tggtcaacct | gcccttggtg | agctccacgt | atgacctcat | gtcctcagcc | 180 |
| tatctcagta | caaaggacca | gtatccctac | ctgaagtctg | tgtgtgagat | ggcagagAAC | 240 |
| ggtgtgaaga | ccatcacctc | cgtggccatg | accagtgtct | tgcccatcat | ccagaagcta | 300 |
| gagccgcaaa | ttgcagttgc | caatacctat | gcctgtaagg | ggctagacag | gattgaggag | 360 |
| agactgccta | ttctgaatca | gccatcaact | cagattgttg | ccaatgccaa | agggcgtgtg | 420 |
| actggggcaa | aagatgctgt | gacgactact | gtgactgggg | ccaaggattc | tgtggccagc | 480 |
| acgatcacag | gggtgatgga | caagaccaaa | ggggcagtga | ctggcagtg | ggagaagacc | 540 |
| aagtctgtgg | tcagtggcag | cattaacaca | gtcttgggga | gtcggatgat | gcagctcgtg | 600 |
| agcagtggcg | tagaaaatgc | actcaccaaa | tcagagctgt | tggtagaaca | gtacctccct | 660 |
| ctcactgagg | aagaactaga | aaaagaagca | aaaaaagttg | aaggatttga | tctgggttcag | 720 |
| aagccaagtt | attatgttag | actgggatcc | ctgtctacca | agcttcactc | ccgtgcctac | 780 |
| cagcaggctc | tcagcagggt | taaagaagct | aagcaaaaaa | gccaacagac | catttctcag | 840 |
| ctccattcta | ctgttcacct | gattgaattt | gccaggaaga | atgtgtatag | tgccaatcag | 900 |
| aaaattcagg | atgctcagga | taagctctac | ctctcatggg | tagagtggaa | aaggagcatt | 960 |
| ggatatgatg | atactgatga | gtcccactgt | gctgagcaca | ttgagtcacg | tactcttgca | 1020 |
| attgcccgca | acctgactca | gcagctccag | accacgtgcc | acacctcctc | gtccaacatc | 1080 |
| caagggtgtac | cacagaacat | ccaagatcaa | gccaaagcaca | tgggggtgat | ggcaggcgac | 1140 |
| atctactcag | tgttccgcaa | tgtgcctcc | tttaaagaag | tgtctgacag | cctcctcact | 1200 |
| tctagcaagg | ggcagctgca | gaaaatgaag | gaatcttttag | atgacgtgat | ggattatctt | 1260 |
| gttaacaaca | cgcctctcaa | ctggctggta | ggctccctttt | atcctcagct | gactgagtct | 1320 |
| cagaatgctc | aggaccaagg | tgcagagatg | gacaagagca | gccaggagac | ccagcgatct | 1380 |
| gagcataaaa | ctcattaaac | ctgcccctat | cactagtgc | tgctgtggcc | agacagatga | 1440 |
| caccttttgt | tatgttgaaa | ttaaacttgc | aggcaaccct | aaattgggaa | gcaagtagct | 1500 |
| agtataaagg | ccctcaattg | tagttgtttc | cagctgaatt | aagagcttta | aagtttctgg | 1560 |
| cattagcaga | tgatttctgt | tcacctggta | agaaaagaat | gataggcttg | tcagagccta | 1620 |
| tagccagaac | tcagaaaaaa | ttcaaatagc | cttatgttct | cattctatgg | ccatttgtgt | 1680 |
| gcctctgtta | ctgtttgtat | tgaataaaaa | catcttcatg | tgggctgggg | tagaaactgg | 1740 |
| tgtctgctct | gggtgtgatct | gaaaaggcgt | cttactgct | ttatctcatg | atgcttgctt | 1800 |
| gtaaaacttg | atttttagttt | ttcatttctc | aaataggaat | actacctttg | aattcaataa | 1860 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| aattcactgc | aggatagacc | agttaaaaaa | aaaaaaaagg | ggcgcccttt | ttaaaggacc | 1920 |
| cttggggggc | cccaagcttc | cccggccttg | caacgtatta | atcttctcct | tatggggggc | 1980 |
| ctaattaaac | cctccctggg | caccttggga | aagaaccctt | ccttctgggg | ggtgccatat | 2040 |
| tggaccaacc | cccctacaga | cattaaaggc | tttagggtaa | aattaacctt | tttacggggt | 2100 |
| ttg | | | | | | 2103 |

<210> 7668
 <211> 915
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (805)...(256)
 <223> similar to gi877 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|-----|
| <400> 7668 | | | | | | |
| tttttacaga | gctcatttta | tttaagtcct | atcttagaac | aaaggaaaca | gtcttaggca | 60 |
| aggcaaaactc | acagttgggt | actcaatgtc | ttttatttct | gcctgttttt | tggccccaga | 120 |
| aaatgcaata | ttttgacaca | gaaaaaaaca | ttaggatgag | tgtgaaatca | aatacgattc | 180 |
| tggtttttga | gctgacattt | attcatttgg | agccacatgg | ctgtcccagg | gcctgggtccc | 240 |
| caggtcatgt | gcttaaagct | tccaggcggt | tctcatcatg | atgatgaagt | acacatcagt | 300 |
| gtcaatggat | gcgctcacac | ctgcatagta | gttcatgaac | tcctcagggg | tcaccaatcc | 360 |
| atctttgtca | taggggtgaat | caaagttatc | cagaaatttc | ctaaataactt | gttcctcaact | 420 |
| ccattcccca | ttctgggtact | ttgggtgggtg | ttttgcatta | tatacttcac | gaagggtcttc | 480 |
| gattgttata | acaccatctc | cagtcttgtc | taactttcta | aaagcttgca | tgattacctc | 540 |
| ttttctgggt | ctggacattg | gaggtcttaa | tgtgagaaga | aattcattga | agtctattgt | 600 |
| tccatttcca | tctttatcaa | acctctggaa | aagttcttcc | acctcttctt | ttccatgac | 660 |
| cacagcataa | tcatttaacc | ctttcataaa | ttctttaaaa | tcaagggttc | gattattatc | 720 |
| gtcatccata | attctaaaca | ctctgccaa | tcctttgatc | ccagcagagc | ccctggccag | 780 |
| gcactgcagt | cggagtcttt | caatggggtc | ggtgccctg | gtgagctttt | tcttggcctg | 840 |
| gatcgccatc | tctcggtcat | ggcgcgctgt | ccctgccatc | ttaaatgcta | accttttgcc | 900 |
| accagttgct | tcgaa | | | | | 915 |

<210> 7669
 <211> 1356
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1357)
 <223> n = a,t,c or g

<220>

```

<221> misc_feature
<222> (1306)...(1015)
<223> similar to gi558396 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7669
tttttttttt tttagtaaaca acctagtctt ttattttgcc aaggccggct gttgcaagca      60
ctgaggcccc aagacttcca gaagggaagg ggaggagggg caaagcactg tgcctaccag      120
gtgctgcctg ccccgctcctg cttcctgcag gaggtgggaa gggagagaaa acggacattc      180
gcgccatcaa gtatctcccc agttttcagc cactatattc agttgtggag gaggaaactg      240
aggcacacgc atccccccag gcttctactt gctagtccaa ggtttaactt actccctccc      300
ctcatctcta cccccagcag aatgagctgt aagcagcctg gggagggtct caggagccca      360
tctggtggcc tgtggagcgg ggcaggccag ccagggtcaa gggctagggg tgggggggagc      420
aggaggggtg tggctggagg agcagctgct ggcgggtggg ggagtcggca ctcaataggg      480
gaccccgact ggggttccat actgatagca gtgggggaca ggcagagccc tcagctgtac      540
agacagggaa attgaggctg agaagcctcc agtctttggg tagggagggg ccttccttca      600
gctactcagg tccattcatc ttccccatga agacgctggc tctggggctg gagcgccctg      660
tcagcggcca ctccatgttt agactgaggt acaaggagtg gaaggcagcc aggtcacctg      720
gccacagagc ctccctcaac tcttgacaaa ctggagggga accctcccc accacagctg      780
ctggaaaagg gagtgcctgg ctctggcgcc tgtctgcctt ccgctgctca cgtgcttgag      840
aaaggctcat ttttagcacc tggcctcttt tccctgcctg gagggagctt aggggacaga      900
gcaggaaga aggaggcaa gggggacagg gagacctgga agcagggccc aaggggatgt      960
ctgattgctt cgttctcccc tctaagggtg cccaggccca gagaagggcc ctcagccgcc      1020
gtgcagagtg gagatgaaga ggacgctgtc ctggtcctga agctggtagt ccagctcacc      1080
cagtagctcc cagtcggcat cgттаатсag caccagaatt cctggccgca cgctgtctcc      1140
ctggatgaac aactctggcc gctcttttag caaattcttc ttgatccaga tgagcaggtt      1200
ccggatgtcc cagggttcct cctgtccagg caaagtгact cgatgtttct taataccgtc      1260
aaacaggagc tccgcaccac ctccgaactc cacctccact gacaagggcg cagccatgtt      1320
gaggcagccc ctcgtgccaa gaanggctgt ggcacac      1356

```

```

<210> 7670
<211> 2520
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (131)...(1274)
<223> similar to gi307377 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7670
gggcggcgcg ctgcagtgcg gggacccgct cgctcgctcg ccagccgtcc ccgcgccccg      60
cgtccccgcg cagccgcctc ctggcctcgg gcgcccgcga tccaggaagg aagcagccac      120
cctcgccatg gcctccccgc ccgcctgccc ctcggaggag gacgagagcc tgaagggtg      180
tgagctgtac gtgcagctgc acgggatcca gcaggtcctc aaagactgta tcgtccacct      240
ctgcatctcc aagcccgaac gcccatgaa gttcctccgg gagcacttcg agaagctgga      300

```

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| gaaggaagaa | aacaggcaga | ttttggcgcg | gcaaaagtca | aactcacagt | cggactccca | 360 |
| tgatgaggag | gtgtcgccca | cccccccgaa | ccctgtggtg | aaggcccgcg | gccggcgagg | 420 |
| aggcgtgagt | gccgaggtgt | acaccgagga | ggacgccgtg | tcctacgtca | ggaaggtgat | 480 |
| tccaaggac | tacaaaacca | tgactgcgt | ggccaaggcc | atctccaaga | acgtgctctt | 540 |
| cgctcacctg | gatgacaacg | agaggagtga | catattcgat | gccatgttcc | ctgtcactca | 600 |
| catcgctggg | gagactgtta | tacagcaagg | gaatgaagga | gacaacttct | atgtcgttga | 660 |
| tcaaggggaa | gtggatgtgt | acgtgaacgg | agagtgggtg | accaacatca | gcgagggagg | 720 |
| cagcttcggg | gagctggcgc | tcattctacg | cacccccagg | gctgcgaccg | tgaaagccaa | 780 |
| gacggacctc | aagctctggg | ggatcgaccg | ggacagctac | cggcgcatcc | ttatgggcag | 840 |
| cacgctgagg | aaacgcaaga | tgtacgagga | gttcctcagc | aaggtctcca | tcctagagtc | 900 |
| cctggagaag | tgggagcgtc | tgacgctggc | ggatgcgctg | gagcccgtcc | agtttgaaga | 960 |
| tggagagaaa | attgtggtcc | agggagagcc | tggggacgac | ttttacatca | tcacggaggg | 1020 |
| caccgcgtcc | gtgctgcagc | gccggtcccc | caatgaggag | tacgtggagg | tggggcgctt | 1080 |
| gggaccctct | gactacttcg | gggagattgc | actgctgctg | aaccggcccc | gggcgggcac | 1140 |
| tgctgtggcc | cgggggcccc | tcaagtgtgt | gaagctggac | cggccccgct | tcgagcgtgt | 1200 |
| gctggggccc | tgctctgaga | tcctcaagag | gaacattcag | cgttacaaca | gcttcatctc | 1260 |
| cctcaccgtc | tgagcacagc | tcccgcctct | cagccccagc | tccccagtgt | ggtggccgtg | 1320 |
| ccctgctcgt | ctgtgtcggg | ggcccgggag | ccgctgtgtg | aggtgtgggc | cgggtggggc | 1380 |
| tgggtcccgg | cagcgtgagg | actgcccctt | ccccggactc | actttttgga | ataaatgatc | 1440 |
| accttgtgca | tttccaaatc | aaaggacaag | cggacaaaat | gcatcccaag | atcaaggaag | 1500 |
| ggacaggcca | gcttcctccc | cacacgcctc | cccggctgcc | tctgtgggct | tctcctgggg | 1560 |
| ggccaccccc | acccttgcca | gtctcctgga | gatgcttgag | gatcggtcct | ccccagaacc | 1620 |
| aggccaggac | gttgcccctg | gggcctggtg | accctgtgag | gtcaggtccc | ccagattgag | 1680 |
| gtctgagtgt | gggcaagtgt | gtcaaaagg | gctgcccccc | aggggagatg | aggctgagag | 1740 |
| cagggagtgt | aggccgaaga | agtcaaggcc | cctcccgcaa | atgtgtacc | ctgcccgcgc | 1800 |
| cactgcaccc | cgccgcaccc | ccacctcccc | cgggggccct | gctgcggatg | ccggagtggg | 1860 |
| agagtctctg | agctgtgaga | ttgatcttgc | ccctaattgg | agaggaagcc | gggcgccaag | 1920 |
| acacacgggg | ctcctgcctt | gggagccagg | gccgcggccg | caggtagacc | ccagtagggg | 1980 |
| gggcccgggct | cgaagtccct | ttgggagggg | ctggcgggac | tccagcaggc | cgtcctcacc | 2040 |
| tttcttagaa | agtccaccca | gggcaagttg | atgttggggg | aaagcagaag | tcaagccagc | 2100 |
| cgcgggcccc | acacgccctg | acccgctcaa | ccgacttgct | ccttaaattg | gtcttgatc | 2160 |
| ccgcagtgat | gacgtgagcc | agccaggccc | gaaaggggtg | ggccagtgca | gagaagcttc | 2220 |
| ccaggggatt | cctgggttcc | cccgaagac | aagcgaggtc | attgcagttc | acccgatgtt | 2280 |
| gctcctgtcc | cgtgcgtccc | ggggaggctg | tccttggtcc | gaggctgctc | gttgacgccc | 2340 |
| ctcccctgct | ggcgggttac | atgcgtgggg | tccccctccc | caccagcccc | cggccacgtc | 2400 |
| gccgtgtccc | gcctgtgcct | gtgacgtccc | tgtggacctg | tgagccatcc | cccccttat | 2460 |
| ctctgctctg | aatactgcat | gaagcattaa | acgtgcaatg | aagcggacgc | gtgggtcgac | 2520 |

<210> 7671

<211> 1549

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (35)...(1461)

<223> similar to gi2832331 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7671

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| gaattccgcc | gctgctacac | gcctgggtggg | cagcatgtcg | gcaacagcgg | ctgctcgtaa | 60 |
| gcggggaaag | ccggcctctg | gggccggggc | tggcgcgggg | gccggcaagc | ggcggcgaaa | 120 |
| ggccgactct | gcgggggaca | ggggcaaate | caagggtggc | ggcaagatga | atgaggagat | 180 |
| ctccagcgac | tctgagagcg | agagcctagc | tccaaggaag | cctgaggagg | aggaggagga | 240 |
| ggagctggag | gaaactgcac | aggaaaagaa | gctgcgcttg | gccaagctct | acctagagca | 300 |
| gctccgtcag | caagaggagg | agaaggctga | ggcccgtgca | tttgaggagg | accaggtggc | 360 |
| ggggcgcctg | aaggaggatg | tgcttgagca | gaggggcagg | ctgcagaagt | tggtggcaaa | 420 |
| agagatccag | gccccagcct | cagctgacat | tgcggtttta | cgggggcacc | agctctctat | 480 |
| cacatgtttg | gtcgtcaccc | ccgatgactc | agccatcttc | tctgctgcca | aagactgcag | 540 |
| catcattaag | tggagcgtgg | agagtggacg | gaagctgcat | gtgattcctc | gagccaagaa | 600 |
| gggtgccgag | ggaaagcccc | ctggccacag | cagccacgtc | ctctgcatgg | ccatctcctc | 660 |
| cgacggcaag | taccttgctt | ctggtgaccg | cagcaagctc | attctcattt | gggaggccca | 720 |
| gagctgccag | cacttgtaac | ccttcacagg | acaccgggat | gcagtgtcgg | gtctggcatt | 780 |
| ccgcagaggc | accaccagc | tctacagcac | atcccacgat | cgctccgtga | aggtgtggaa | 840 |
| tgtggcagag | aactcctacg | tggagacgct | cttcggacac | caggacgctg | tggtgcact | 900 |
| ggatgccttg | agccgggagt | gctgtgtgac | ggctgggggc | cgggatggga | ctgtacgtgt | 960 |
| gtggaagatc | cccagggagt | cccagcttgt | cttctatggc | caccagggct | ccatcgactg | 1020 |
| catccaccta | atcaatgagg | agcacatggt | gtccggcgcg | gacgatggct | ctgtggcctt | 1080 |
| gtggggcttc | tccaagaagc | gaccacttgc | cctgcagcgt | gaagctcacg | ggctgcgggg | 1140 |
| agagccaggc | ctggagcagc | ccttctggat | atcgctcggtg | gcagccctcc | tcaacacaga | 1200 |
| ccttgaggcc | acaggctccc | acagctcctg | tgtgcggctt | tggcagtgtg | gggaaggctt | 1260 |
| ccggcagctt | gaccttctct | gtgacatccc | cctgggtgggt | tttatcaaca | gcctcaagtt | 1320 |
| ctccagctct | ggggacttcc | tggtggcttg | ggtagggcag | gagcacaggc | ttggccgatg | 1380 |
| gtggagaatc | aaagaggctc | ggaattctgt | ctgcatcatc | ccactccgca | gggtccctgt | 1440 |
| acccccagct | gctggttcct | gacactctta | tcctccttat | ttaagtccct | cccaggctat | 1500 |
| gccccaccct | ctttgtatta | aaagcctcct | cttttgggca | aaaaaaaaa | | 1549 |

<210> 7672

<211> 1918

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (429)...(616)

<223> similar to gi2304977 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7672

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|-----|
| actgagctga | aatcctaaag | gccgcggagt | cggcggtgtt | gtaggtagcg | gtaccttgag | 60 |
| tggcaacaga | attcgattaa | attacaatgg | gaaacatttt | tgaaaagctc | tttaaaagtc | 120 |
| tacttgggaa | aaaaaagatg | cggattctta | tattgagttt | ggatacagct | ggaaaaacca | 180 |
| ccatcttgta | taaattgaag | ctgggggaga | ctgtgcctgc | cgctccctaca | gtaggtttct | 240 |
| gtgtggagac | agtagaatat | aaaaataaca | ccttcgctgt | ctgggatgtt | ggcagccact | 300 |
| tcaaaatcag | acctctgtgg | cagcattttt | tccagaacac | aaaagggtgcc | agaagcccag | 360 |
| gaagcacaca | tcaaggctca | cttgccagcg | gggtgctgcc | aataaaatgt | agtcacgtgg | 420 |
| aatttggaat | gtggaaagga | ggtagaagtc | atcctttcct | cccccatagc | agcaggtgtg | 480 |
| caggctctgg | tggtcagctg | gactccatac | tccccacca | gtcaccagcc | tggggaccgt | 540 |
| ggggctgcaa | ggacctcagc | agcggtttcc | caagtttcct | gacttcttcc | atcctctgga | 600 |
| aatcagctgt | ggtaaagtag | cctgaaagcc | agtggtgcaa | ccccatcccc | acaaccttca | 660 |

| | | | | | | |
|-------------|-------------|-------------|------------|------------|------------|------|
| ccacctctag | cacctccagt | gataagcact | aattgcctat | atacaaccct | tttttgtttg | 720 |
| aaatatctag | agtaatttct | gttttcctat | ctggggtagt | gtaacataag | aagaaatata | 780 |
| tatttggctc | ctgccccag | ttcctaacac | aaagctccta | aaacccttgg | aaattcctga | 840 |
| atgatggcgg | tgctaagagc | attgtccttt | gttaatttat | catttttctt | ttctcctagg | 900 |
| tgttttttcc | tttttaaaact | tttcttttag | gttagggggg | acatatgcac | gttctgtata | 960 |
| tagctaaaact | tgtgtcatgg | gggtttgttg | tacagattat | ttcatcaccc | aggtaccaag | 1020 |
| cctagtaccc | aatagttttt | tctgtctctc | tccctcctcc | caccctccac | cctcaggtag | 1080 |
| ggcccagtg | ctgttggtta | tgagttctca | tcattttgct | cccacttaaa | agaacataca | 1140 |
| gtatttgggt | ttctgttctt | gtcttagttt | gctgaggata | atggcctcta | gtcccatctg | 1200 |
| tgttcctgca | aaagacatga | tctcgctgtt | ttttatgggt | gcacatcttt | tgttctaaca | 1260 |
| tttggctcct | aaacctgggt | cctgacacag | agctcctaaa | tcccttggaa | ttttctgggt | 1320 |
| gatagaagcg | tcctttgttc | tcatgaggtg | actcttggtg | ggctccttat | ttggggactg | 1380 |
| gtcaccaaaa | agacctatgg | ttggaagcgt | tgtgctgtca | gccccattcc | ccatcctctg | 1440 |
| gcgtggggag | tagagctgga | gctcaatcat | gcctacgtga | taaagcctcc | agaaaactcc | 1500 |
| ttaaaagaca | ggacttggag | agcttccggg | ttggcgaaca | catccatgtt | ccaggagagt | 1560 |
| ggtgcacccc | aactccacaa | ggacccttcc | aaacctcacc | ctgtgtatct | cttcaactgg | 1620 |
| cttcatcatt | tgtgtccttt | aaaatatcct | ttgtaataaa | tcagcactag | taagaaaact | 1680 |
| gttttcctgg | gttccatgag | ctgttctagc | aaatgttcaa | acctgaggag | ggagttgtgg | 1740 |
| ggacctccaa | tttacagcca | gttggtcaga | tgcatagggt | atgcttggcc | ttgcacctgg | 1800 |
| ggtctgacat | gcggatggtc | ctgtgtgact | gagcccttaa | cctgtggagt | ctggtgtctc | 1860 |
| ctctgcttag | ggcttctctt | gccttttttag | tgtctatcta | ggcggccgga | cgcgtggg | 1918 |

<210> 7673

<211> 2406

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2320)...(1291)

<223> similar to gi4689108 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7673

| | | | | | | |
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| tttttttttt | ttccaaatac | agctttttaat | agtacctgtg | tgatagctcc | ctctcactgt | 60 |
| ttttaatctt | ttataatgtg | aagatttaga | accaatcctt | aaatagtaag | aaagttagaa | 120 |
| cacaatctaa | tacagaatca | atcatattca | ggacaccctg | aatgcaaata | cttcataata | 180 |
| cagttttata | gtttaatgga | caatgtttta | catggcacct | ctcaaactctg | atatatctgt | 240 |
| gtggtgctta | caatttgcct | tacactttca | tttaaagtta | ccctgttctc | cactcaccac | 300 |
| atgtataaaa | tatcctattt | tttctcttaa | tgttttacaa | accggttaatt | ttcactatca | 360 |
| gtagcggatc | tttttataac | tcaccctatg | ttgccccaaa | tacaccaata | atataatgat | 420 |
| tagattaaaa | aacttggcat | cttttttaaa | aaaatgtgct | ttctttttcca | tgtataagat | 480 |
| tctactatac | catttgtgaa | tgacacccta | gttacataac | acctacatat | ctgcccctgt | 540 |
| gagaatttac | cttagtcttc | taagactcta | tcttcaacag | ttagataagt | caataaccag | 600 |
| agttccaaga | aaagtagtta | ctttttaaga | ccaaattatt | gggataactg | gtcttgtcaa | 660 |
| tatggcttaa | cattaatatg | gctataacat | agggactagc | ccgttttttt | tttttattaa | 720 |
| caatgtgacc | tgatcacaat | tctttaaaagt | ctagactagt | tttccgtatg | ttttcccat | 780 |
| tttatattga | catcatatct | tttaaaaaaca | aaaggatgcg | aacatttgcc | cttctcaatg | 840 |
| tttttttttt | tcccatagat | gtagtttcac | ttatttcctt | caggcttttt | atcagcaaga | 900 |
| agcaatgtct | gatttttgata | ccaccctatt | gctatgaaaa | tataagaagg | cgtcatcttc | 960 |

| | | | | | | |
|-------------|------------|-------------|------------|-------------|-------------|------|
| aaagcaacac | tccagttggg | cttcttcac | gtttagctgc | atgatttctt | ctacgacatt | 1020 |
| tgtaacagac | acaacgtata | tagaatttca | gtttgggttt | ttttatcctt | ttttttcttt | 1080 |
| tttaaaataa | gtatgttttc | tgcttatttg | tgttttcttt | tctttgaata | tattgcacaa | 1140 |
| tattttatta | ttaaaaaaag | gttttatgtc | tcaggcaaaa | agtttttctc | cttcaatcgg | 1200 |
| gaggtgttaa | tgtgtattat | tttctaaaag | aggtaagtgg | ttgtctgtgt | ggccatcctc | 1260 |
| aaaaggaaca | gaattgacag | gtttatagga | tccaagtctg | aaacgacagc | aaattatttc | 1320 |
| aactataaat | tttccaattc | catgtaacat | gcctgttggt | gaaaagattc | ctccaacaat | 1380 |
| accacagagt | cttacaaaaa | actgccagaa | tggcatgtgc | tcctcagtaa | ctgtcaccat | 1440 |
| aagagaactg | agatcatatt | tcataaatat | cccagagact | ccatggctgc | ctgcagcatg | 1500 |
| gttaatgata | cgttcccttt | ctgtcacaga | aaactgatgg | gtgtctgctg | atattttata | 1560 |
| tgtatgtagt | tttgttggca | caactgtaat | aaaatattgg | aacatctggg | tgtgatctat | 1620 |
| agcaattttt | tcagttccat | ctaaaggatt | aataattgct | ggaacaagct | ctccaaaaga | 1680 |
| caaatgatct | attctatgag | aaaaattgta | agattcatgg | ttgacaagtg | ctgccaaatg | 1740 |
| tgcattgacca | cgaggatgtg | gaattgcctt | gccactgttt | atgtgaaaat | tccttgctac | 1800 |
| tttattgaca | tatagatggc | catgaattct | gcatgcattt | ggagactgtg | atgaatcatc | 1860 |
| ttctcttggt | ggaagagctg | ttgatgtact | tttaaaagca | cttttaaata | tcacatcttg | 1920 |
| aagtgaatgc | tcttcttgta | gcctactctg | aatcagctgc | agcatcctct | gccactcttt | 1980 |
| ctgctgtggt | gaaagatcaa | atactgttgg | ttcataaact | aaaccatctg | cagatgcaac | 2040 |
| cattgtttct | gctaaatcca | atacatccgc | tccaacatat | tgacacttca | tggcaacagt | 2100 |
| aatatctata | ttaattctta | atttgctaga | aaaatccttg | tctacttcgt | attcatactt | 2160 |
| catccatgta | tcttgatata | ctgagaattc | cattatgggt | aataaaagcca | tagttgtaaa | 2220 |
| tgctattaga | gaaactgtac | ctccactggc | tgaagtctct | acatagctct | caggaacctt | 2280 |
| cggaaaggca | tccaactctt | ttaccaaaact | taaagttttt | ttccgattca | gtcgccctcat | 2340 |
| cttcaggaaa | accttctctt | tccttcatat | agtcatgctt | gtgttatggt | cccagcctac | 2400 |
| acgaaa | | | | | | 2406 |

<210> 7674

<211> 2500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (369)...(1981)

<223> similar to gi3874084 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7674

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| atcagtggta | acgtttttaa | aaatgacaaa | ttcaatctgc | tcttgacttg | tgtgtcctaa | 120 |
| gatttccact | aagtgtcttc | aaacctcccc | ctccccggct | tcctggataa | tagaagttcc | 180 |
| cgaaggccgc | cgattccaga | agatactgtc | tggcgtgaaa | ttagtttcag | tagaaacata | 240 |
| agtcgccgcg | gtcttgtgct | gcgcgtgcgc | aagcttttgg | gccctccgga | gaaaggggaag | 300 |
| tgcattctcg | cttccttagc | ggctctccgc | ggttggggga | aagtaattcc | ggctgttgca | 360 |
| ccatggcgtc | catggggacc | ctcgccttcg | atgaatatgg | gcgcccttcc | ctcatcatca | 420 |
| aggatcagga | ccgcaagtcc | cgtcttatgg | gacttgaggc | cctcaagtct | catataatgg | 480 |
| cagcaaaggc | tgtagcaaat | acaatgagaa | catcacttgg | accaaattggg | cttgataaga | 540 |
| tgatgggtgga | taaggatggg | gatgtgactg | taactaatga | tggggccacc | atcttaagca | 600 |
| tgatggatgt | tgatcatcag | attgccaaagc | tgatggtgga | actgtccaag | tctcaggatg | 660 |
| atgaaattgg | agatggaacc | acaggagtgg | ttgtcctggc | tgggtgccttg | ttagaagaag | 720 |

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|-------------|------|
| cggagcaatt | gctagaccga | ggcattcacc | caatcagaat | agccgatggc | tatgagcagg | 780 |
| ctgctcgcgt | tgctattgaa | cacctggaca | agatcagcga | tagcgctcctt | gttgacataa | 840 |
| aggacaccga | acccctgatt | cagacagcaa | aaaccacgct | gggctccaaa | gtggtcaaca | 900 |
| gttgtcacccg | acagatggct | gagattgctg | tgaatgccgt | cctcactgta | gcagatatgg | 960 |
| agcggagaga | cgttgacttt | gagcttatca | aagtagaagg | caaagtgggc | ggcaggctgg | 1020 |
| aggacactaa | actgattaag | ggcgtgattg | tggacaagga | tttcagtcac | ccacagatgc | 1080 |
| caaaaaaagt | ggaagatgcg | aagattgcaa | ttctcacatg | tccatttgaa | ccacccaaac | 1140 |
| caaaaaacaaa | gcataagctg | gatgtgacct | ctgtcgaaga | ttataaagcc | cttcagaaat | 1200 |
| acgaaaagga | gaaatttgaa | gagatgattc | aacaaattaa | agagactggg | gctaacctag | 1260 |
| caatttgtca | gtggggcttt | gatgatgaag | caaatcactt | acttcttcag | aacaacttgc | 1320 |
| ctgcggttcg | ctgggttaga | ggacctgaaa | ttgagctgat | tgccatcgca | acaggaggggc | 1380 |
| ggatcgtccc | caggttctca | gagctcacag | ccgagaagct | gggctttgct | ggtcttgtag | 1440 |
| aggagatctc | atttgggaca | actaaggata | aaatgctggg | catcgagcag | tgtaagaact | 1500 |
| ccagagctgt | aaccattttt | attagaggag | gaaataagat | gatcattgag | gaggcgaaac | 1560 |
| gatcccttca | cgatgctttg | tgtgtcatcc | ggaacctcat | ccgcgataat | cgtgtggtgt | 1620 |
| atggaggagg | ggctgctgag | atatcctgtg | ccctggcagt | tagccaagag | gcggtataagt | 1680 |
| gccccacctt | agaacagtat | gccatgagag | cgtttgccga | cgactgggag | gtcatcccca | 1740 |
| tggccctctc | tgaaaacagt | ggcatgaatc | ccatccagac | tatgaccgaa | gtccgagcca | 1800 |
| gacaggtgaa | ggagatgaac | cctgctcttg | gcacgcactg | tttgacacaag | gggacaaatg | 1860 |
| atatgaagca | acagcatgtc | atagaaacct | tgattggcaa | aaagcaacag | atatctcttg | 1920 |
| caacacaaat | ggttagaatg | attttgaaga | ttgatgacat | tcgtaagcct | ggagaatctg | 1980 |
| aagaatgaag | acattgagaa | aactatgtag | caagatccac | ttctgtgatt | aagtaaattg | 2040 |
| atgtctcgtg | atgcatctac | agttattttat | tgttacatcc | ttttccagac | actgtagatg | 2100 |
| ctataataaa | aatagctggt | tggtaacctat | agtttcactt | gttcaaagct | gtgtaatcgt | 2160 |
| gggggtacta | tctcaactgc | ttttgtattc | attgtattaa | aagaatctgt | ttaaacaacc | 2220 |
| tttatcttct | cttcgggttt | aagaaacggt | tattgtaaca | gtaattaaat | gctgccttaa | 2280 |
| ttgaaggggt | ttgggtggat | ttttttttct | caaaataagc | tgtagggact | attttaacag | 2340 |
| cttaaacagg | agctctcaag | atgcactttt | gtattgagag | gaatatgggc | ttgatcctct | 2400 |
| tcctatctaa | atgggtgggc | catttgattg | tagaggggtcc | accacagaat | tatgggatgc | 2460 |
| cttaagtgtc | gttactaggt | tgtcacagc | ctaacctggc | | | 2500 |

<210> 7675

<211> 2824

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (527)...(1851)

<223> similar to gi1055177 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7675

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| accgaggagg | gagatgcggc | cggggctcag | gctccttgca | gattcctaac | cagcataatg | 60 |
| ctggagccgg | gagccaccaa | cctgcagttt | tcagaatggc | cgtgttgga | actgatttgg | 120 |
| atcacattct | tccatcttct | gttcttcctc | cattctgggc | taagttagta | gtgggatcgg | 180 |
| ttgccattgt | gtgttttgca | cgcagctatg | atggagactt | tgtctttgat | gactcagaag | 240 |
| ctattgttaa | caataaggta | acaaggaggg | agcgattctt | tccaccttct | gggtgctgct | 300 |
| gagtatcttt | ctgggagcag | tggccatgct | gtgcaaagag | caagggatca | ctgtgctggg | 360 |
| tttaaagtgc | gtatttgaca | tcttggtgat | aggcaaattc | aatgttctgg | aaattgtcca | 420 |

| | | | | | | |
|------------|------------|-------------|-------------|------------|------------|------|
| gaaggtacta | cataaggaca | agtcattaga | gaatctcggc | atgctcagga | acgggggcct | 480 |
| cctcttcaga | atgacctgc | tcacctctgg | aggggctggg | atgctctacg | tgcgctggag | 540 |
| gatcatgggc | acggggccgc | cggccttcac | cgagggtggac | aaccggcct | cctttgctga | 600 |
| cagcatgctg | gtgagggccg | taaactacaa | ttactactat | tcattgaatg | cctggctgct | 660 |
| gctgtgtccc | tgggtggctg | gttttgattg | gtcaatgggc | tgcaccccc | tcattaagtc | 720 |
| catcagcgac | tggagggtaa | ttgcacttgc | agcactctgg | ttctgcctaa | ttggcctgat | 780 |
| atgccaaagg | ctgtgctctg | aagacggcca | caagagaagg | atccttactc | tgggcctggg | 840 |
| atttctcggt | atcccatttc | tccctgcgag | taacctgttc | ttccgagtgg | gcttcgtggt | 900 |
| cgcggagcgt | gtcctctacc | tccccagcgt | tgggtactgt | gtgctgctga | cctttggatt | 960 |
| cggagccctg | agcaaacata | ccaagaaaaa | gaaactcatt | gccgctgtcg | tgctgggaat | 1020 |
| cttattcatc | aacacgctga | gatgtgtgct | gcgacgcggc | gagtggcgga | gtgaggaaca | 1080 |
| gcttttcaga | agtgtctctg | ctgtgtgtcc | cctcaatgct | aaggttcact | acaacattgg | 1140 |
| caaaaacctg | gctgataaag | gcaaccagac | agctgccatc | agatactacc | gggaagctgt | 1200 |
| aagattaaat | cccaagtatg | ttcatgccat | gaataatctt | ggaaatatct | taaaagaaag | 1260 |
| gaatgagcta | caggaagctg | aggagctgct | gtctttggct | gttcaaatac | agccagactt | 1320 |
| tgccgctgcg | tggatgaatc | taggcatagt | gcagaatagc | ctgaaacggt | ttgaagcagc | 1380 |
| agagcaaagt | taccggacag | caattaaaca | cagaaggaaa | taccagact | gttactacaa | 1440 |
| cctcgggcgt | ctgtatgcag | atctcaatcg | ccacgtggat | gccttgaatg | cgtggagaaa | 1500 |
| tgccaccgtg | ctgaaaccag | agcacagcct | ggcctggaac | aacatgatta | tactcctcga | 1560 |
| caatacaggt | aatttagccc | aagctgaagc | agttggaaga | gaggcactgg | aattaatacc | 1620 |
| taatgatcac | tctctcatgt | tctcgttggc | aaacgtgctg | gggaaatccc | agaaatacaa | 1680 |
| ggaatctgaa | gctttattcc | tcaaggcaat | taaagcaaat | ccaaatgctg | caagttacca | 1740 |
| tggtaatttg | gctgtgcttt | atcatcgttg | gggacatcta | gacttggcca | agaaacacta | 1800 |
| tgaaatctcc | ttgcagcttg | accccacggc | atcaggaact | aaggagaatt | acggtctgct | 1860 |
| gagaagaaag | ctagaactaa | tgcaaaaagaa | agctgtctga | tcctgtttcc | ttcatgtttt | 1920 |
| gagtttgagt | gtgtgtgtgc | atgaggcata | tcattaatag | tatgtgggta | catttaacca | 1980 |
| tttaaaagtc | ttagacatgt | tattttactg | atttttttct | atgaaaacaa | agacatgcaa | 2040 |
| aaagattata | gcaccagcaa | tatactcttg | aatgcgtgat | atgatttttc | attgaaattg | 2100 |
| tattttttca | gacaactcaa | atgtaattct | aaaattccaa | aaatgtcttt | tttaattaaa | 2160 |
| cagaaaaaga | gaaaaaatta | tcttgagcaa | ccttttagtag | aattgagctt | acatttgggg | 2220 |
| tctgagcctt | gtcgtgtatg | gactagcact | attaaacttc | aattatgacc | aagaaaggat | 2280 |
| acactggccc | ctacaatttg | tataaatatt | gaacatgtct | atatattagc | atttttatct | 2340 |
| aatgacaaag | caaattaagt | ttttttatct | ccttttttta | aaacaacata | ctgtgaactt | 2400 |
| tgtaaagaaa | tattttattg | tatttttatg | ttttgaatag | ggcaaataat | cgaatgagga | 2460 |
| atggaagttt | taacatagta | tatctatatg | cctttcccca | tagggaagaa | attgactctt | 2520 |
| gcagtttttg | gatgctctga | cttgtgcaat | ttcaatacac | aggagattat | gtaatgtaat | 2580 |
| atttttcata | agcgggtact | atcaattgaa | agttcaagcc | atgctttagg | caagagcagg | 2640 |
| cagcctcaca | tctttatttt | tgttacatcc | aagggtgaaga | gggcaacaca | tctgtgtaag | 2700 |
| ctgcctttta | gtgtgtttat | ctgaaggccg | ttttccattt | tgcttaatgt | aactacagac | 2760 |
| attatccaga | aaatgcaaaa | ttttctatca | aatggagcca | cattcgggga | attcgtggta | 2820 |
| tttc | | | | | | 2824 |

<210> 7676

<211> 2416

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (341)...(1935)

<223> similar to gi5262560 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7676

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| actcttactt | tacaaacaaa | cattaggggc | agcccaggca | gcacaccttt | ctggattttac | 120 |
| caaaaataca | cattttccta | ttctactggt | gctttaccac | atgggttcagt | tgtagcctca | 180 |
| gaattacttt | atggaagaaa | ctgagtgtag | acagagagta | tgaggtctga | tggtcatgga | 240 |
| ataattgttt | tgagtccaca | gcatcatgga | aacctcttgg | gaatagagta | taggcttccc | 300 |
| agtgatgtta | gtcttatcca | tcctcctcta | tacatgtgag | atgtttcagg | attcagtggc | 360 |
| ctttgaggat | gtggctgtca | gcttcaccca | ggaggagtgg | gctttgctgg | atccttccca | 420 |
| gaagaatctc | tacagggatg | tgatgcagga | aaccttcaag | aacctgacct | ctgtaggaaa | 480 |
| aacatggaaa | gttcagaaca | ttgaagatga | gtacaaaaat | cccaggagaa | atctaagtct | 540 |
| tatgagagag | aaactctgtg | aaagtaaaga | aagtcatcac | tgtggagaaa | gcttcaacca | 600 |
| gattgcagat | gacatgctga | acaggaaaac | tcttcctgga | ataacaccat | gtgaaagcag | 660 |
| tgtgtgtgga | gaagtgtggc | cgggtcattc | atctcttaat | acgcatatca | gagctgacac | 720 |
| tggaacacaag | tcactctgag | atcaggaata | tggagagaat | ccatatagaa | ataaggaatg | 780 |
| taagaaagcc | ttcagttatc | ttgactcctt | tcaatcacat | gataaagctt | gcactaaaga | 840 |
| gaaaccctat | gatggtaaag | aatgtacaga | aaccttcatt | tcccattcat | gcattcaaag | 900 |
| acacagggta | atgcacagtg | gagatggacc | ttataaatgt | aagttttgtg | ggaaagcctt | 960 |
| ctattttctc | aattttatgtc | ttatccatga | acgaattcac | actggtgtga | aaccatataa | 1020 |
| gtgtaaacia | tgtggtaaag | cctttactcg | ttccactacc | cttccagtac | atgaaagaac | 1080 |
| tcacacagga | gtgaatgccg | atgaatgtaa | agaatgtggg | aatgcattca | gttttcctag | 1140 |
| tgaattcgt | agacataaaa | ggtctcacac | tggagaaaaa | ccctatgagt | gtaagcaatg | 1200 |
| tgggaaagtc | ttcattttctt | tcagttccat | tcagtatcat | aagatgactc | acactggaga | 1260 |
| gaaaccctat | gaatgtaagc | agtgtgggaa | agcctttaga | tgtgggtcac | accttcaaaa | 1320 |
| gcatggaagg | actcacactg | gagagaaacc | ctatgaatgt | aggcaatgtg | gtaaagcctt | 1380 |
| cagatgtacc | tcggaccttc | aaaggcatga | aaagacacac | actgaggata | aacctatgg | 1440 |
| atgtaagcag | tgtgggaaag | gcttttagatg | tgcttcacaa | cttcaaattc | atgaaaggac | 1500 |
| gcacagtgga | gagaaacccc | atgaatgtaa | ggaatgtgga | aaagtattca | agtatttttc | 1560 |
| ttccttgctg | atacatgaaa | ggacgcacac | tggagagaag | ccccatgaat | gtaagcaatg | 1620 |
| tggaaaagca | ttcaggtatt | tctcttcctt | gcatatacat | gaaaggacac | acactggaga | 1680 |
| taagccatat | gagtgttaag | tatgtggcaa | agccttcact | tgttccagtt | ccattcgata | 1740 |
| tcataaaagg | actcacactg | gagagaaacc | ctatgaatgt | aagcactgtg | gtaaggcctt | 1800 |
| tatttccaat | tacattcgat | atcatgaaag | gactcacact | ggagagaaac | cctatcaatg | 1860 |
| caagcaatgt | ggcaaagcct | ttattcgtgc | cagttcatgt | cgagaacatg | aaagaactca | 1920 |
| taccattaat | agatgagaaa | tccttttagt | ggaagcaacg | ggagaagctt | tctgttgtcc | 1980 |
| cacttccttt | gaaacacaag | aaaagagagt | ggtgaaagaa | cctctggata | actgcttttt | 2040 |
| gaattgagaa | gagagacttg | cgataggaca | ataaaatcta | gaagaacttg | gatggtttcg | 2100 |
| taatacaatt | cacctatagc | caatcttgca | tgagatttca | aaggcacaga | aaaggaaggc | 2160 |
| atcagtcaca | tattagaggc | cccacacagg | gagagaggtg | tgtggctacc | cgttccagc | 2220 |
| ccattttcct | gattctttgg | cttgttaatc | ggagaatatc | ccccaaatca | cttgtctctg | 2280 |
| ttcctcagag | ttgtaggtct | ccagatatgt | ccccagtgtc | ccacattaaa | gataacatgc | 2340 |
| ccactttgct | gtttcttcag | aaatgttaaa | atgtttacca | gagaactaat | aaatgttggt | 2400 |
| atggctggaa | atactc | | | | | 2416 |

<210> 7677

<211> 5138

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (92)...(1123)

<223> similar to gill136420 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7677

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| tgctctactg | cccctgcatg | gcggcctttgg | gaaccaggcc | gatcacttct | tgggctctct | 120 |
| ggcatttgca | aagctgctaa | accgtacctt | ggctgtccct | ccttggttg | agtaccagca | 180 |
| tcacaagcct | cccttcacca | acctccatgt | gtcctaccag | aagtacttca | agctggagcc | 240 |
| cctccaggct | taccatcggg | tcatcagctt | ggaggatttc | atggagaagc | tggcaccac | 300 |
| ccactggccc | cctgagaagc | gggtggcata | ctgctttgag | gtggcagccc | agcgaagccc | 360 |
| agataagaag | acgtgcccc | tgaaggaagg | aaaccccttt | ggcccattct | gggatcagtt | 420 |
| tcatgtgagt | ttcaacaagt | cggagctttt | tacaggcatt | tccttcagtg | cttcctacag | 480 |
| agaacaatgg | agccagagat | tttctccaaa | ggaacatccg | gtgcttgccc | tgccaggagc | 540 |
| cccagcccag | ttccccgtcc | tagaggaaca | caggccacta | cagaagtaca | tggatatggc | 600 |
| agacgaaatg | gtgaagacgg | gagaggccca | gattcatgcc | caccttgccc | ggccctatgt | 660 |
| gggcattcat | ctgctgcatg | gctctgactg | gaagaacgcc | tgtgccatgc | tgaaggacgg | 720 |
| gactgcaggc | tcgcacttca | tggcctctcc | gcagtgtgtg | ggctacagcc | gcagcacagc | 780 |
| ggccccctc | acgatgacta | tgtgcttgcc | tgacctgaag | gagatccaga | gggctgtgaa | 840 |
| gctctgggtg | aggctcgtgg | atgcccagtc | ggtctacgtt | gctactgatt | ccgagagtta | 900 |
| tgtgcctgag | ctccaacagc | tcttcaaagg | gaaggtgaag | gtggtgagcc | tgaagcctga | 960 |
| ggtggcccag | gtcgacctgt | acatcctcgg | ccaagccgac | cactttattg | gcaactgtgt | 1020 |
| ctcctccttc | actgcctttg | tgaagcggga | gctgggacctc | caggggaggc | cgtcttcttt | 1080 |
| cttcggcatg | gacaggcccc | ctaagctgcg | ggacgagttc | tgattctggc | cggagcacca | 1140 |
| gacctcttga | tcctggaggg | accagagtct | gagctgggtc | ttccagccag | gcctggcagc | 1200 |
| cagaggtgct | ccgggattgc | aaactcctct | tctcacctgc | caaagatgga | gaagagtgcc | 1260 |
| agggacccct | caaggaggga | gacgtcccat | atcccagggc | ataggacttg | caggttccta | 1320 |
| ggagcaggag | catctcccat | cgcacgtgct | ttctgctctt | ctgggaattt | ctcacactgg | 1380 |
| caaagcagtc | cagcctccgt | cttctgggtc | actctgctct | gagcagcctg | ggatgctgaa | 1440 |
| ctcttcagag | agattttttt | atagagagat | ttctataatt | ttgatacaag | gtcatgacta | 1500 |
| tcctagaact | ctctgtggtt | tttgaaaatc | attgaattct | attaatgtag | gtacctaaag | 1560 |
| tgaccttaac | tgaatgtgga | tgaggctggg | gctgggtgtg | gtcttttggc | tgcttttcaa | 1620 |
| ggtgtccccc | aatgtggccc | tcaagagcca | tccccactgc | ctggccagag | ccattgttgt | 1680 |
| cccctacttc | ctaggccatt | tctggggctt | gggggatgaa | tgctgtcctg | tgctgtaaac | 1740 |
| actatgcaaa | tggaaagtta | cggttgtggt | gctgtgcagc | gctctgtggg | cgactaagtg | 1800 |
| ccactcacgc | agcatgttcc | tggcaaggag | cacataccat | caagccacac | tatcatggta | 1860 |
| ttgttctcac | agtcttttgg | tggttgatgg | ccactgcaaa | cctggcacca | tcagatctct | 1920 |
| tctgatctct | tgccccagtg | ggccttggtt | ggtagaatgt | tggcattcgg | ttgatatcca | 1980 |
| aagcctgttc | tcccagccgt | cctcctgcag | ctggagcctt | caggccgtat | tctcacgagg | 2040 |
| gaacgtttgc | caaggctctg | acctcacaga | agatgccag | ggcccagaag | ccatcagaat | 2100 |
| tatcagtgga | gaagcacctt | ttgactcttc | ccctccaatg | taatctctgc | caacaccatg | 2160 |
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| caaagatctc | aaacagcaaa | gtcagcattt | gctgtataga | gctgccaccc | aactctaagc | 2520 |
| aggagaaact | gtacagaaag | ggctttgcta | tttttccctt | ttgggaaaac | aatgaagtgt | 2580 |
| tttaagtcct | gggtggactg | agagatgggt | tgctgtcca | gacttgctct | caagcctcat | 2640 |
| ccagagaagg | agctgcagat | gagggagccc | gtacactccc | tgccaccact | aggttgtaag | 2700 |
| cctgtagctg | gctggctgat | ttcatttttg | aattcatttg | ccatccacag | ccttacacta | 2760 |
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| acagggcctt | gctctgtctc | ccaggctgga | gtgccagtgg | ccatgatcat | ggccttactg | 2880 |
| ccagcccttg | atctcccca | ggctcaagcg | atcccttctt | gcctcagcc | ctctctggta | 2940 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| gcctgagacc | tgcatgcccc | agctcccaaa | tcacccttga | ttcataatcca | gcagtaataa | 3000 |
| tcacttgtgt | tcctgaaaga | aagggcacca | gaagttctag | caaaattcag | ttgtgttctg | 3060 |
| tgagctagca | ctttttcctc | tgacccaatt | ttcttaccta | taaaatggtg | ataaaaaccg | 3120 |
| acaggttggt | caaaggccca | gatcagctaa | agcatgtata | taagagcacg | ttgtaaactt | 3180 |
| gaaagagaca | aaggcacaaa | tgtggctggt | gattaatttg | actgcttctc | gttgctcgtc | 3240 |
| acctccatgc | caggcactgt | gcttgctaata | tgctttatgg | gggcattctc | ttattttattc | 3300 |
| cccagccctg | ggaaatagga | gctgtcatta | tccttctctt | tctgcacaag | gaaaaattaa | 3360 |
| tgccctgaga | attgtcataa | ttttcccaag | gctgccagc | tggtggtggt | aagccagaat | 3420 |
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| cccaagaaac | aaagcctaca | tgccgcttac | agccccggt | ggatggttgc | tcagtacaac | 3660 |
| agtcttgcac | tcagcaggtg | tttgttcatc | acctactatg | tgtcaggctc | tatgctaggt | 3720 |
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| cagcctggac | ggccatggca | ggaagctttt | agttggagag | atacaggaag | cctcctaggg | 4140 |
| ttctgagcag | aagaggggca | tgagctgatt | cacattctga | aggacctctc | tagctggcca | 4200 |
| gtgctgagga | ggttgagag | agaaaggggtg | aaagcagaga | gaccagtgc | gggctgttaa | 4260 |
| caggggttgca | ggcgagagac | tgggggtgctg | ggctccccta | gactaggact | ccagtgcct | 4320 |
| cctctcccaa | gagacaaagg | ccattgcatt | gaaggagggtg | ggaaatgatt | agattctgaa | 4380 |
| catatgtaat | tattttttcag | tctttttcaa | agatacaaat | atttacatag | ttttaatcat | 4440 |
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| agttttattgt | tttcctatta | tgagaattta | ggccaagtgt | ggtggctcat | gcctgtaatc | 4620 |
| ccagcacttt | gcgaggccga | ggtgggcaga | tcacttgagg | tgaggagttc | aagaccagcc | 4680 |
| tgccaacat | ggtgaattat | ctctactaaa | aatacaaaaa | aataataata | atagccaggc | 4740 |
| gtgggtggcac | atgcctgtat | tcccagctgc | ttgggaggct | gaggcaggag | aatggcttga | 4800 |
| acctgggagg | tggagggttgc | agtgagccga | gatggtgcca | ctgcattcca | gcctgggcaa | 4860 |
| cagagcgaga | ctccatctca | aaaaaaagga | gacttcatgt | gcccccaatt | tttccccaat | 4920 |
| tgttatttga | aaaaatattt | ttattttgtaa | gagtttttct | ttatttataaa | tgttcattaa | 4980 |
| taaagttgtt | ggacgggaag | caaaaaaaaaa | aagttgttta | agataaatte | ccagaagtga | 5040 |
| atttggttaga | tcaaacactt | aaaacttttt | gttatggaag | aattcaaata | taaataaaaa | 5100 |
| attgtgagta | ataaaatgaa | ctcacagttt | caacaatg | | | 5138 |

<210> 7678

<211> 1029

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (44)...(755)

<223> similar to gil212946 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7678

| | | | | | | |
|-------------|------------|------------|------------|-------------|------------|------|
| cgggcggcgcg | cgatcgaggt | cgggtcgccg | tccagcctgc | agcatgagcg | ccccagcgc | 60 |
| gacccccatc | ttcgcgccc | gcgagaactg | cagccccgcg | tggggggcgcg | cgcccgcggc | 120 |
| ctacgacgca | gcggacacgc | acctgcgcac | cctgggcaag | ccggtgatgg | agcgtgga | 180 |
| gacccctat | atgcacgcgc | tggccgcgc | cgctcctcc | aaagggggcc | gggtcctgga | 240 |
| gggtgggcttt | ggcatggcca | tgcgagcgtc | aaaggtgcag | gaggcgccca | ttgatgagca | 300 |
| ttggatcatc | gagtgcaatg | acggcgtctt | ccagcggctc | cgggactggg | ccccacggca | 360 |
| gacacacaag | gtcatccct | tgaaaggcct | gtgggaggat | gtggcaccca | ccctgcctga | 420 |
| cggtcacttt | gatgggatcc | tgtacgacac | gtacccactc | tcgaggagaga | cctggcacac | 480 |
| acaccagttc | aacttcacac | agaaccacgc | ctttcgctcg | ctgaagccgg | ggggcgctct | 540 |
| cacctactgc | aacctcacct | cctgggggga | gctgatgaag | tccaagtact | cagacatcac | 600 |
| catcatgttt | gaggagacgc | aggtgcccgc | gctgctggag | gccggcttcc | ggaggagaa | 660 |
| catcgtacg | gaggtgatgg | cgctggctcc | accggccgac | tgcgctact | acgccttccc | 720 |
| acagatgatc | acgcccctgg | tgaccaaagg | ctgagccccc | accccgccc | ggccacaccc | 780 |
| atgccctcct | ccgtgccttc | ctggccggga | gtccagggtg | tgcaccagc | cctgggctga | 840 |
| tcccagctgt | gtgtcaccag | aagctttccc | ggcttctctg | tgaggggtcc | caccagccca | 900 |
| gggctgatcc | cagctgtgtg | tcaccagcag | ctttcccagc | ttctctgtga | gggtcactgc | 960 |
| tgccactgc | agggtccttg | aggtgaagta | aacgccggcg | ctgggcttgg | ccagtcggca | 1020 |
| aaaaaaaa | | | | | | 1029 |

<210> 7679

<211> 3952

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (33)...(1291)

<223> similar to gi4426603 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7679

| | | | | | | |
|------------|-------------|-------------|------------|------------|-------------|------|
| cggaatcact | gactggcaca | ggtgttggga | aaatgatcca | cagtctat | ctcataaact | 60 |
| gttcgggtga | catatttcta | gagaagcact | ggaagagcgt | tgtgagccag | tctgtctgtg | 120 |
| attatttctt | tgaagctcaa | gagaaagctg | ctgatgttga | aaatgtacca | cctgtcattt | 180 |
| caacacctca | ccactacctc | atcagtatct | accgggataa | gctcttcttt | gtatctgtca | 240 |
| tacagaccga | agtgccacct | ctctttgtaa | ttgagttcct | acatcgagtt | gctgacactt | 300 |
| ttcaggacta | ctttgggtgag | tgttcagagg | ctgcaattaa | ggataatgtg | gtcatagtat | 360 |
| atgaactctt | agaagaaatg | ttagacaatg | gatttccact | ggctaccgaa | tctaactttt | 420 |
| tgaaagaatt | gattaaacca | ccaacaattc | tacgctctgt | tgtcaactct | attacaggca | 480 |
| gtagtaatgt | tggggacaca | ctccccaccg | ggcagctgtc | caacatacca | tggcgctcggg | 540 |
| caggggtaaa | gtacacaaac | aatgaagcct | attttgatgt | tgttgaagaa | atagacgcaa | 600 |
| ttatagataa | atcaggatct | acagtctttg | cagaaattca | gggggtcatt | gatgcttgca | 660 |
| ttaactatc | tggaatgcct | gatctctccc | tttctttcat | gaaccctagg | cttctggatg | 720 |
| atgtcagctt | tcaccctgc | atccggttca | agcgttggga | atctgaaaga | gttttgtcat | 780 |
| ttattcctcc | agatggaaat | ttccgactca | tatcataccg | tgtcagctca | caaaatctag | 840 |
| tggcaatacc | agtgtatgtg | aaacatagta | tcagctttaa | ggagaacagt | tcttgcgcca | 900 |
| gatttgatat | aacaattgga | caaagcaga | atatggggaa | aactattgaa | ggaattacag | 960 |
| tgacagttca | catgccaaaa | gttgtgtctga | acatgaacct | gacaccaca | caaggcagct | 1020 |
| atacatttga | tccagtcacc | aaggtactaa | catgggatgt | gggaaaaatt | actccacaaa | 1080 |
| agctcccaag | tcttaaagga | ctggtaaatt | tacagtctgg | agccccaaa | ccagaagaga | 1140 |

| | | | | | | |
|------------|------------|------------|-------------|-------------|------------|------|
| atccgagcct | caacatacag | tttaagatcc | agcagcttgc | tatttccaggc | ttaaaagtaa | 1200 |
| accgtttggg | catgtatggg | gagaaatata | agccattttaa | aggagtcaaa | tacgtcacga | 1260 |
| aagctggaaa | gttccaagt | aggacatgag | aagaggccaa | aattcctcag | gaccagtttg | 1320 |
| ttttccaagt | gtcattacga | tgtatcacta | ttaggtacca | agtgagtggg | aatacatatt | 1380 |
| ctagttaaag | catttgtgtc | tagctacaca | ccgctaacaa | agttacttag | ttatcaatgt | 1440 |
| aggattctta | aggagcttta | agctaaggaa | accttttagt | gacttagctt | atctgtatc | 1500 |
| ttttcactta | ggaagatttt | ggaggtgatt | tttttccata | ggaggatacc | atctggcggc | 1560 |
| tgcacattgt | aacagtaaag | gcagaaagct | gtagtataaa | cctctctcct | aaaagagtta | 1620 |
| actggtctca | tccagcagaa | gctatcttaa | atctgtgatg | tgtcagggtgc | agccaaatat | 1680 |
| cacaccttct | gatcttagcc | atcccaaacc | agtatctgtc | ccgagaggaa | attcccccca | 1740 |
| cccccagaag | tttacagaaa | actgcctctt | caagtgtttg | ccttattcag | cttttcactt | 1800 |
| gtgccattaa | gcaagcactg | tagcaaaagc | cacttccaca | tggccctggc | agggagcact | 1860 |
| gctgctccat | gctccattct | cactgtactt | ggatttgtat | tttttataaa | taagattttt | 1920 |
| atgtaaagct | tacaatttga | tttacaggga | ccttgctgca | gtaaatacca | tctcaatttt | 1980 |
| gtgccactgg | ttcagctgtt | agcacagtaa | aaaaatcatt | tgtatcaaag | gggcaaatgc | 2040 |
| tttattaagg | tagtaaaagg | gaacattact | tctgctttta | ggaagtact | gcaagcacia | 2100 |
| gcatttgtgc | ttttaagcaa | attaaagtag | taaaagaaaa | acttaagtga | aacctttgcc | 2160 |
| atcttcatgt | tttataatat | aaagcttacc | caacaccagt | taagccatgg | ttaacctaaa | 2220 |
| tgcctcatgc | cccagttcag | caaaaggagg | aaaatgtgcc | tgcctcacag | tcacagctct | 2280 |
| ttttaaatct | tttttgttgt | tgttcttaag | ggtttgaatt | tgtctgcatt | ccttgtcttt | 2340 |
| aggggaaatt | cccttttcat | attgtgtgct | tcccaaagct | atagtcatag | atctcttcca | 2400 |
| gaaactattg | tcataattgt | cactggagtg | cttaaatata | cgtactatac | tgacaaaata | 2460 |
| catggaagtg | agttataatg | aggcagaaac | aaaatcctcg | gtaacattga | tgatactcta | 2520 |
| ccgatcaccg | tggttttgga | aagtcagtc | acagttgtat | tattgcactc | aatttcattg | 2580 |
| tgacatttta | tttaactctt | tcattcttgg | ggtccttgcc | cagttatttt | gcctcattag | 2640 |
| acatcaagaa | atggagaaa | actgaaagtt | aatatcttaa | gtgcttgttc | ttcattgttc | 2700 |
| cttcttgtta | tttatgctat | tctctttgtg | gctccattct | tctttcaatc | ttctcagctt | 2760 |
| ataaccgtct | ttcccttatg | ctaaggatag | cccttacact | catcccatct | atgctgtcaa | 2820 |
| gggctgctgg | ttgggtgctg | tacaaggagc | ccactcagca | gttttcttac | ctttgcctgc | 2880 |
| cctgcctttc | atggaataag | aaaggcaacg | ttttgcagct | tccaaatttc | tgaagaaact | 2940 |
| aatctcagat | tggcagttaa | agtcaaaatg | ttgccaaata | tttattcctt | ttgcctaagt | 3000 |
| ttggctaccc | ggttcaattg | ctttttatct | ttaatgtctt | gactcttcag | agttcgtacc | 3060 |
| tcaaaagaac | aatgagaaca | tttgctttgc | tttctgctga | atccctaate | tcaacaatct | 3120 |
| atacctggac | tgtccagttc | tcctcctgtg | ctatcttctc | ttctatccaa | gtagaatgta | 3180 |
| tgccaggagc | tccttccttc | tagcaatttc | tactaaaatg | tccaagtaga | atgtttcctt | 3240 |
| ttacaatcaa | attactgtat | ttattaattt | gctagaatcc | agtaaactcat | tttggtagct | 3300 |
| ctggctgtgc | tatcaataaa | aagatgaaag | caacaagttg | atctttttta | ggtctactat | 3360 |
| tgattgaaca | ttctccaatg | ggcaaggctc | attgtcaaag | cagggtgaac | atgatcagat | 3420 |
| tttcttctgc | atcatcacac | aagctgcgag | tgttgctgca | aagcacttct | cagtactcct | 3480 |
| tccctaacct | cagtatgtta | atagccattc | atacttggct | taagcatcac | cattctggcc | 3540 |
| acagtctgag | agattagtga | tcaaagctcc | cttccctatc | actaccacca | cctactgata | 3600 |
| acaaagattt | ctgaataact | agtagtagta | aaatattttt | caagcacaga | gttacagcta | 3660 |
| atcctggatc | acttgttcta | aattcataag | ggagtataat | aagagcaaag | gaagtaaagt | 3720 |
| attctttcct | gcgtgtggga | gtcaccatca | ttttattcaa | agggagtctc | tgtgataggt | 3780 |
| tcattcctta | agtgggtgta | cagaaggacc | ctaggaaaat | gctgatcttg | tcctgagagg | 3840 |
| caactgattt | gagaaaatga | ttatactaca | gcaggaaggc | agcaccagt | aacatattgg | 3900 |
| aaatggcaaa | aacaagacag | ttttagaaac | tgctaattca | gtagcagcct | tg | 3952 |

<210> 7680

<211> 2768

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (266)...(1138)
 <223> similar to gil770576 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7680

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| tgcgggccgca | atagtagcgt | cgcgcgggcgg | tggcggggtgg | tggtccttgg | aacgcgggtgg | 60 |
| gcggacagcg | gcacggcctc | ccctcccctc | cggacgcaag | ccgaagtacg | tgagaggaga | 120 |
| cttccggcca | ctgcgttgta | gtcgggcccg | ctgcaaagcg | tttttctgca | ggctgttttc | 180 |
| ccaggttccc | tcggcctgta | cctcgcgcac | tcctcttgct | ccaggtcctt | cagtctccgc | 240 |
| tcgtctcacc | gtaggctgtg | acgacatgag | caacaaagaa | ggatcaggag | ggttcaggaa | 300 |
| aaggaagcat | gacaatttcc | cacataacca | aagaagagaa | gggaaggatg | ttaattcatc | 360 |
| ttcacccgtg | atgttggcct | ttaaattcatt | tcagcaggaa | cttgatgcaa | ggcatgacaa | 420 |
| atatgagaga | cttgtgaaac | ttagtcggga | tataactggt | gaaagtaaaa | ggacaatttt | 480 |
| tctcctccat | aggattacaa | gtgctcctga | tatggaagat | atattgactg | aatcagaaat | 540 |
| taaattggat | ggtgtcagac | aaaagatatt | ccaggtagcc | caagagctat | caggggaaga | 600 |
| tatgcatcag | ttccatcgag | ccattactac | aggactacag | gaatatgtgg | aagctgtctc | 660 |
| ttttcaaac | ttcatcaaaa | cacgatcatt | aattagtatg | gatgaaatta | ataaacaatt | 720 |
| gatattttacg | actgaagaca | atgggaaaga | aaataaaact | ccctcctctg | atgcacagga | 780 |
| taagcagttt | ggtacttgga | gactgagagt | cacacctgtc | gattaccttc | tgggagtggc | 840 |
| tgacttaact | ggagaattga | tgcggtgtg | tattaacagt | gtggggaatg | gggacattga | 900 |
| tacccccctt | gaagtgagcc | agtttttacg | tcaggtttat | gatgggtttt | cattcattgg | 960 |
| caacactgga | ccttacgagg | tttctaagaa | gctgtatacc | ttgaaacaaa | gtttggccaa | 1020 |
| agtgaggaa | gcttggtatg | ccttgaaagt | cagaggggtca | gaaattccaa | aacatatggt | 1080 |
| ggcagatgtg | ttttcagtta | aaacagaaat | gatagatcaa | gaagagggca | tttcttagaa | 1140 |
| tctaacgtta | ctcagttact | aattcttttg | agaactccta | agagaccaat | ttgtaagact | 1200 |
| tatttagtat | ttcatttaac | tttattgtgg | cttttacata | gaaacatatt | cagttgtact | 1260 |
| tgttttaaat | tgtatacaag | ctgtacataa | aattagccaa | atgaatcatt | tcttatatct | 1320 |
| tattcatgaa | agtttgcata | cagatgtttg | catatatgcc | tttttgaatt | tttgcgtggt | 1380 |
| aacctttatc | atttatcttt | gtaatgtgaa | catgcttcag | agtgtacctt | ttgccataac | 1440 |
| ctattttaat | ttactttttc | tgaagtttgg | agtgataatt | tttagtggaa | gcaatttgta | 1500 |
| atttaagtgt | gtagttatat | tatatataga | aaagattttt | tagttaaaact | tctggacatg | 1560 |
| agcgtcctgt | ttaaatttct | tgtaatatc | gtgccaaagcc | tcaaaaatag | gcttattcca | 1620 |
| tggaaacaaga | attaaaaatg | aataagctat | caatatataa | tttaagtaca | agtttaggct | 1680 |
| gggcgtggtg | gctcacgcct | gtaatcccag | cactttggga | ggccgaggta | ggcagatcac | 1740 |
| gaggtaaca | gatcaagacc | agcctgacca | acgtggcgaa | acctcgtctc | tactagaaat | 1800 |
| acaaaaatta | gctggatatg | gtggatatgtg | cctgtaatcc | cagctacttg | ggaggctgag | 1860 |
| gcaggagact | cgcttgaacc | tgggaggcag | aggttgcagt | gagccgagat | tgcgccactg | 1920 |
| cactccagcc | tgggtaacag | agcaagactc | catctcaaaa | aaaagaaaaga | aagaaaaaaa | 1980 |
| gaaagtacaa | gtttataaa | tattatagtg | aaaaattcgc | attctggctg | attttaagcc | 2040 |
| atttaaaaatt | tatataaaac | aaccttccat | aaaaatttga | cagggtgcca | gatgttgctt | 2100 |
| tctccattta | ttttttgttt | ttttttaatc | acagtaggtc | tgatagagaa | ttggagctaa | 2160 |
| attataatat | ttttgttggt | aaagttgagt | tatatacttg | tacatacaat | ggaaatgctt | 2220 |
| ttagtagtga | ttatttagca | atttttggtt | ttgttatatt | aggcatgttt | ggaggctttc | 2280 |
| ctattctagc | atttaaaatt | aaattttatt | aaaattaaat | aatttaaatc | tagcatttaa | 2340 |
| atttaaaata | tttaagtcta | gcattttact | ttaaataatt | ataatgaagt | tttgaaatac | 2400 |
| taagttaatc | cagaccttta | gttgctccat | ggtgttaata | aagttgcaa | agaagatgta | 2460 |
| ttatgaacaa | ttcagcaata | agacaattgt | caacacagtt | gagaataaca | atggtaatcg | 2520 |
| ttagtaatat | ttagaattgg | aatttgccta | ctgaaatagt | tatagatgat | tacttgtgat | 2580 |
| gtgaaactga | attgagcatg | acaaccagac | atttccagtt | ggttttgtaa | gttttgagaa | 2640 |
| tctagatact | gggtttttatt | ttttgaaaga | ttagctctgt | ttgtaagggc | tgattccttg | 2700 |
| aaaatgtaat | tttccagaaa | aacacctaaa | gaaaataaaa | catggacatg | cctagtaaaa | 2760 |
| aaaaaaaa | | | | | | 2768 |

<210> 7681
 <211> 984
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (82)...(292)
 <223> similar to gi3878134 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7681

| | | | | | | |
|-------------|------------|------------|------------|-------------|-------------|-----|
| aggccgggttc | cggcgaagtt | aaaccctcgg | agctggcctc | ggactgctgg | ggcgttaccc | 60 |
| cttcggccac | ccccgctgac | catggcagtg | tttcatgacg | aggtggaaat | cgaggacttc | 120 |
| caatatgacg | aggactcgga | gacgtatttc | tatccctgcc | catgtggaga | taacttctcc | 180 |
| atcaccaagg | aagatttgga | gaatggggaa | gacgtggcaa | cgtgtcctag | ctgctctctc | 240 |
| attataaaaag | tcatttatga | caaagatcag | tttgtgtgtg | gagaaacagt | cccagcccct | 300 |
| tcagccaaca | aagaattagt | taaatgctga | agaagccttc | aggaatccaa | atcctgaaca | 360 |
| tttggaatga | gccagatag | aaatatcgaa | tgcaaagcta | ctggcttcac | agagacaacc | 420 |
| atztatgatt | tgctgttctg | taagagtgtg | gattctttct | atcaactgcc | tgatatcatc | 480 |
| ttcaggaagc | aagtccataa | catgacatat | ctggattttg | tgcttagaac | cttaaattgg | 540 |
| aagcattctt | aattatgcat | ctaaatttaa | aagaagataa | tttcaaaaaca | gtgctttctt | 600 |
| tcccttggtt | tcatcatttt | catatcttaa | accaaattac | ttcgggtatct | gacaacagca | 660 |
| tcatctacct | cagtcattag | gatttcttaa | taaaaaagag | attgtatttt | tgacttggtt | 720 |
| attaagatta | ttaaaattag | cccttccttt | gaaatatgac | atcagctttg | ctgtttctaaa | 780 |
| tttaaaatta | gttgcttcat | cagtaccaca | ttccagttt | ctataccaag | ccagtctcct | 840 |
| cagttttccc | attagaatgg | acatgttctg | ttcagcgtgt | catttctgta | atgcttcatg | 900 |
| cagagagttt | ggtcatagta | ttaaagagaa | aatacagtga | ggtcacaatg | tctccagagc | 960 |
| taaaagttag | tgaacaagac | agat | | | | 984 |

<210> 7682
 <211> 1974
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (70)...(1864)
 <223> similar to gi2230878 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7682

| | | | | | | |
|-------------|-------------|-------------|------------|------------|-------------|------|
| cccacgcgtc | cgctctggcg | cctgggttccg | cgcgccggag | cgcgctagcc | gcattgcgag | 60 |
| ccgaacccgg | gagctggcgc | catggtgctg | ttgcacgtgc | tgtttgagca | cgcggtcggc | 120 |
| tacgcgtgct | tggcgctgaa | ggaagtggag | gagatcagtc | tgctgcagcc | gcagggtggag | 180 |
| gagtcggtgc | tcaacctggg | caaattccac | agcatcgttc | gtctggtggc | cttttgtccc | 240 |
| tttgccctcat | cccagggttgc | cttggaaaat | gccaacgccg | tgtctgaagg | ggttggttcat | 300 |
| gaggacctcc | gcctgctctt | ggagacctac | ctgccgtcca | aaaagaagaa | agtactcttg | 360 |
| ggagttgggg | atcccaagat | tggtgccgca | atacaggagg | agttagggta | caactgccag | 420 |
| actggaggag | tcatagctga | gacctgcga | ggagtctgct | tgcacttcca | caatctggtg | 480 |
| aagggctctga | ccgatctgtc | agcttgtaaa | gcacagctgg | ggctgggaca | cagctattcc | 540 |
| cgtgccaaag | ttaagtttaa | tgtgaaccgg | gtggacaata | tgatcatcca | gtccattagc | 600 |
| ctcctggacc | agctggataa | ggacatcaat | acctctctta | tgcgtgtcag | ggagtggtag | 660 |
| gggtatcact | ttccggagct | ggtgaagatc | atcaacgaca | atgccacata | ctgccgtctt | 720 |
| gcccagttta | ttggaaaccg | aagggaactg | aatgaggaca | agctggagaa | gctggaggag | 780 |
| ctgacaatgg | atggggccaa | ggctaaggct | attctggatg | cctcacggtc | ctccatgggc | 840 |
| atggacatat | ctgccattga | cttgataaac | atcgagagct | tctccagtcg | tgtggtgtct | 900 |
| ttatctgaat | accgccagag | cctacacact | tacctgcgct | ccaagatgag | ccaagtagcc | 960 |
| cccagcctgt | cagccctaata | tggggaagcg | gtaggtgcac | gtctcatcgc | acatgctggc | 1020 |
| agcctcacca | acctggccaa | gtatccagca | tccacagtgc | agatccttgg | ggctgaaaag | 1080 |
| gccctgttca | gagccctgaa | gacaaggggt | aacaccccaa | aatatggact | cattttccac | 1140 |
| tccaccttca | ttggccgagc | agctgccaa | aacaaaggcc | gcatctccc | atacctggca | 1200 |
| aacaaatgca | gtattgcctc | acgaatcgat | tgttctctct | aggtgcccac | gagtgtattc | 1260 |
| ggggagaagc | ttcgagaaca | agttgaagag | cgactgtcct | tctatgagac | tggagagata | 1320 |
| ccacgaaaga | atctggatgt | catgaaggaa | gcaatggttc | aggcagagga | agcggctgct | 1380 |
| gagattacta | ggaagctgga | gaaacaggag | aagaaacgct | taaagaagga | aaagaaacgg | 1440 |
| ctggctgcac | ttgccctcgc | gtcttcagaa | aacagcagta | gtactccaga | ggagtgtgag | 1500 |
| gagatgagtg | aaaaacccaa | aaagaagaaa | aagcaaaagc | cccaggaggt | tcctcaggag | 1560 |
| aatggaatgg | aagaccctac | tatctctttc | tccaaaccca | agaaaaagaa | atctttttcc | 1620 |
| aaggaggagt | tgatgagtag | cgatcttgaa | gagaccgctg | gcagcaccag | tattcccaag | 1680 |
| aggaagaagt | ctacacccaa | ggaggaaaca | gttaatgacc | ctgaggaggc | aggccacaga | 1740 |
| agtggctcca | agaaaaagag | gaaattctcc | aaagaggagc | cggtcagcag | tgggcctgaa | 1800 |
| gaggcggctg | gcaagagcag | ctccaagaag | aagaaaaagt | tccataaagc | atcccaggaa | 1860 |
| gattagaatg | caaattggaca | ttctctggga | ggtggggcat | accatagccc | aaggtagacat | 1920 |
| ttcccaccct | gtgccgtgtt | ccccataaaa | aacaaattca | caagaaaaaa | aaaa | 1974 |

<210> 7683

<211> 2313

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (61)...(1099)

<223> similar to gi4580598 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7683

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| cgggtccggc | gggcggttgg | cttgagcggg | accggagctg | aggcaggaag | agccggcgcc | 60 |
| atggtggaga | aggaggaggc | tggcggcggc | attagcgagg | aggaggcggc | acagtatgac | 120 |
| cggcagatcc | gcctgtgggg | actggaggcc | cagaaacggc | tgcgggcctc | tcgggtgctt | 180 |
| cttgtcggct | tgaaaggact | tggggctgaa | attgccaaga | atctcatctt | ggcaggagtg | 240 |

| | | | | | | |
|-------------|-------------|-------------|------------|------------|------------|------|
| aaaggactga | ccatgctgga | tcacgaacag | gtaactccag | aagatcccgg | agctcagttc | 300 |
| ttgattcgta | ctgggtctgt | tggccgaaat | agggctgaag | cctctttgga | gcgagctcag | 360 |
| aatctcaacc | ccatgggtgga | tgtgaagggtg | gacactgagg | atatagagaa | gaaaccagag | 420 |
| tcatttttca | ctcaattcga | tgtgtgtgtg | ctgacttgct | gctccaggga | tgtcatagtt | 480 |
| aaagttgacc | agatctgtca | caaaaatagc | atcaagttct | ttacaggaga | tgtttttggc | 540 |
| taccatggat | acacatttgc | caatctagga | gagcatgagt | ttgtagagga | gaaaactaaa | 600 |
| gttgccaaag | ttagccaagg | agtagaagat | gggcccagca | ccaagagagc | aaaacttgat | 660 |
| tcttctgaga | caacgatggg | caaaaagaag | gtggtcttct | gccctgttaa | agaagccctg | 720 |
| gaggtggact | ggagcagtg | gaaagcaaag | gctgctctga | agcgacgac | ctccgactac | 780 |
| tttctccttc | aagtgtctct | aaagttccgt | acagataaag | gaagagatcc | cagttctgat | 840 |
| acatatgagg | aagattctga | gttggtgctc | cagatacgaa | atgatgtgct | tgactcactg | 900 |
| ggtattagtc | ctgacctgct | tcctgaggac | tttgtcaggt | actgcttctc | cgagatggcc | 960 |
| ccagtgtgtg | cggtggttgg | agggattttg | gcacaggaaa | ttgtgaaggc | cctgtctcag | 1020 |
| cgggaccctc | ctcacaacaa | cttcttcttc | ttcgatggca | tgaaggggaa | tgggattgtg | 1080 |
| gagtgccttg | gccccaaagt | aactcaagat | ttggcagccc | cagagatgcc | aactgcagca | 1140 |
| tgcccacctg | tattccctgt | ccccttcctt | catgaaggca | tctccaggca | aggaaaactg | 1200 |
| aagtcatttg | cccagatacaa | aacatttcct | gcaacgaagg | aggtggtgcc | gacgtgctgc | 1260 |
| ttcccacac | cagcagctgc | tcgacaaggg | gcgcagggtg | gctgtctttg | ttccagcact | 1320 |
| gttcaggctg | cctgtcatcc | cgggcctgcc | agctcccctg | agtgatgagc | acttccaagc | 1380 |
| acccctctgc | cctttctctg | tccttatgct | gtcccggcct | cggcagccct | ctggggcatt | 1440 |
| gtgggagatg | cctgccagga | atgagcaagc | tctgttgctc | gggagcctct | tgtcaccttc | 1500 |
| ttggacttat | tccccacctg | ataccttata | gagaaaagtg | tgaattcagg | tggagagtag | 1560 |
| gcccaggccc | catgaggcac | cagtggaagc | acagctccaa | gttcagacag | gtgcccttag | 1620 |
| agaggaaaac | catgacaggc | aaatgcattt | cctctggagt | ttgagaccct | gacaaacaac | 1680 |
| aggtggcatc | tgggtgtgctg | ttcttgagtt | ttcgtttagg | attagttgag | ttccagctgg | 1740 |
| gttttgggag | aaaggagatg | ctaccaagtc | ttggatgtta | gggcgagacc | ctgcaagttg | 1800 |
| agtattagag | agcttgtctt | tcaaggcagg | ttcctggggc | ttcagggcta | ggagggagga | 1860 |
| gcctgccctt | ttaacagaac | cccagtcaca | tgcggtcaa | gtcactcaga | ggctgttgca | 1920 |
| tttcagggtc | atgttggtcc | tttgtttacc | tcctaaacca | cagctgtttg | tgtttcacat | 1980 |
| atgttggtgaa | ttttccttgg | ttctttttaa | aggaatgata | ataaagttac | ttgctttagg | 2040 |
| atttgcttgt | ttttcttcca | cttcaaaagc | ttctgagagg | gaatgggatg | atcctaccag | 2100 |
| ttgccttttc | agacctgagg | ctctaactca | agagattcct | cctctccctc | accattcctg | 2160 |
| ccaccatttt | ttctgggtga | tgcagcaaga | gttaaattgt | tcacattcta | gaatgtgtcg | 2220 |
| aagcttctgg | ctccaggtgt | ctaattggata | attcagctaa | atagcggcta | ttttcagtg | 2280 |
| caagaattat | aataataaag | ggcagtcaca | agt | | | 2313 |

<210> 7684

<211> 1759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (230)...(1500)

<223> similar to gi4493522 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7684

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttcgtgcgg | gccggtgcgc | ctggcagtcg | gctgcgtact | cctgcgagcg | ccggagaggg | 60 |
| gctggaggcg | gggcgagggc | gcggctcgag | gcatccctgc | agggcgctcc | tccgagtcct | 120 |

| | | | | | | |
|-------------|------------|------------|-------------|-------------|------------|------|
| tcggcgctct | gagccacag | ggaagaagga | ggggccggcg | tcagtgcgt | cagcgagacc | 180 |
| gaggtgagcg | tgggcgttgc | cagtggtgct | ctgtcagtg | ctatggatta | tggcagggaa | 240 |
| agttaaattg | gtcactgata | tcgagaagtc | agtgtgatc | aataactttg | aaaagagagg | 300 |
| atgggtccaa | gtgacagaaa | acgaggactg | gaatttttac | tggatgagtg | tgcaaaccat | 360 |
| ccgaaatgtg | ttcagcgttg | aagctggata | tcggctctca | gatgaccaa | tagtcaacca | 420 |
| ttttccaaac | cactatgaac | tgacccgga | ggacctgatg | gtgaagaaca | tcaaaagata | 480 |
| caggaaggag | ctggagaaa | aagggagtc | tctggcagaa | aaagatgaaa | atggaaaata | 540 |
| cctctatctg | gactttgttc | cagtcaccta | tatgtgccc | gctgactaca | acctgtttgt | 600 |
| agaggagttc | cggagagcc | cgtccagcac | ctggatcatg | aagccttgtg | gcaaggccca | 660 |
| gggaaagggc | atcttcctta | tcaacaagct | ctcacagatc | aaaaagtgg | cccgggacag | 720 |
| caagacatct | tcgtttgtgt | ctcaatctaa | taagggaagc | tacgtgatct | ctctctatat | 780 |
| taacaaccgc | ttactaattg | gcgggaggaa | gttcgacctg | cgcttgtag | ttctggtgtc | 840 |
| cacgtaccgt | ccactgcgct | gttacatgta | caagcttggg | ttttgccgg | tctgcacagt | 900 |
| gaaatacacc | ccgagtacca | gtgagctgga | caacatgttc | gttcactctca | ccaacgtcgc | 960 |
| catccagaaa | cacggggagg | actacaacca | catccatggg | ggcaagtgga | cagtgaagta | 1020 |
| cctgcggctc | tacctggaga | gcaccgcgg | caaggagggtg | accagcaagc | tggtcgatga | 1080 |
| gatccactgg | atcatcgtgc | agtccctgaa | ggctgtggcg | ccggtgatga | acaatgacaa | 1140 |
| gcactgcttt | gaatgctatg | gtacgacat | catcatcgac | gacaagctga | agccctggct | 1200 |
| gatcgagggtg | aatgcgtccc | cgtctctcac | gtccagcaat | gccaatgacc | gaatcctcaa | 1260 |
| gtacaacctg | attaatgaca | ccctcaacat | cgcggtcccg | aatggtgaaa | tcccagactg | 1320 |
| caaatggaac | aagtcgccac | ctaaggaagt | cctcggcaat | tacgagattc | tgtatgatga | 1380 |
| agaattggcc | cagggtgacg | gggctgaccg | ggagctgaga | agccgtcagg | gtcagtctct | 1440 |
| ggggcccaga | gcaggccgat | cgagagactc | agggagagcg | gtcctcacca | cctggaagtg | 1500 |
| agtcccacct | ggaccttata | aaaactactc | actccacctg | ggccctgct | gaagccctat | 1560 |
| tttgaaattt | cccttttgta | gagctttttt | cctttcctaa | gccctgtaaa | taaacgaagg | 1620 |
| cacttctttg | gaaggttatg | gagtcgtgtt | gactagtgct | aaaggaaaca | attcatgcgg | 1680 |
| atgtataaaa | ctcgtctctt | ttttttttaa | tttttaacct | aagcagaatt | ttcatattaa | 1740 |
| aaactcactt | ttttgacag | | | | | 1759 |

<210> 7685

<211> 1783

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1698)...(674)

<223> similar to gi4914578 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7685

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | ttaaacattt | aaaaatttta | tttagagaca | agtctaccat | gtcaccgtaa | 60 |
| gtttatgcta | ctgctggaaa | tgaacaaatg | tagccccata | aggaagaaaa | gttgagagat | 120 |
| gccatagtgt | taaagacatg | gtagtcagac | ttctttgtaa | tcacatttct | atgataaatg | 180 |
| catagtataa | tttttgagg | tataaagaca | atttctaagg | atttatattc | tagttaatac | 240 |
| ctacaactct | aaacattact | taatacctca | tttaagctga | tttctttttc | tctagtcact | 300 |
| ttgcaaatgg | aaatgtaaga | attgaaattt | gtggctctac | cctcaagatt | ctcaaattaa | 360 |
| aacacagcta | ccatatacat | ggccagatca | aatgcttagc | gatgtttgaa | gtgttcacaa | 420 |
| gagaactatg | agcgtataaa | ctgtatgata | ttctatgaca | cagtaagtgt | gataaagtta | 480 |
| gtacaaagta | tttaaagata | tgtcagtcag | ctctttttat | atagaaaaac | aaaatctttt | 540 |

| | | | | | | |
|-------------|------------|------------|------------|-------------|------------|------|
| acatacggaa | tggaaat | gtagaacaga | agttttttaa | aatttatatt | aaacattgct | 600 |
| taactagtaa | atcctgtcag | tgtagaaata | atTTTTTgt | aattctcaaa | gaagaaaata | 660 |
| gtatacgctt | taattcatgg | ttacgtagtt | ggctggaaaa | atgccagttt | gacctcgaag | 720 |
| ttttccttcc | caccaatcaa | aatgtgaatc | tgTTTTTgat | ataactgtga | ttctgtctcc | 780 |
| agcttgaaaa | ttcaaattcc | caggctgctg | tccttcaa | gaatacagcg | ctgtcacttc | 840 |
| tatgggttga | ttcaaattgc | caactctctc | atgatagetg | gaaagtccag | gatagagctt | 900 |
| atattcattt | ctgttacttt | gagagccaga | gttcagctgg | actggtgcag | atgactgctg | 960 |
| tggtcttgac | aatggctttg | gaggtaattc | tttagcagaa | gacttctctc | gctcccttgc | 1020 |
| tgcttttctt | gcattgattc | gttgtccttc | atTTTcatac | ttttcagtaa | aggaatcaag | 1080 |
| aatttcataa | agatcttcgg | cttgagcagg | cgcgggtgta | tctccaaata | aaatgtcata | 1140 |
| agctcggata | tcttgacaat | aaaatTTTct | attagTTTct | ttcctttcaa | tcaaacagct | 1200 |
| cccttctaaa | gacacgcctg | caaagagtcc | ccttgacttg | cagtacgtga | agacggcagc | 1260 |
| ggagcttctc | agggccacgt | ttccttccaa | gttctctccc | aagggcccaa | ccgccacagt | 1320 |
| caagttccct | ccgagggtca | gatttccgcc | TTTTGcaaaa | gcttctacag | cacggtcata | 1380 |
| attcagaatt | atcaccaagt | ctgatacctc | aattcctatt | tcaaatacctc | caccaaggcc | 1440 |
| agctatccca | atggetgagg | gtgcagacca | ttttccatct | ggaaggcgcg | ccactacaat | 1500 |
| cccgtgcct | cctctggcag | tcaccaggaa | cccggctttg | atcacagaca | gaattgcaag | 1560 |
| gccttttagcc | ttcgcaatta | cgtgagcagg | aatgatctta | tcagggtccat | ttctggaagt | 1620 |
| tatttctgtg | aattctctta | atattttggc | agcctTTTTt | gcttctgatt | tcaaattgga | 1680 |
| aggtataggg | ttattcacgt | cataggaccg | cctccgcagg | cgactggag | ccgattgcgc | 1740 |
| aggcgtggct | ctcacaacgc | gctgcctgtg | tggcgttggt | gcg | | 1783 |

<210> 7686

<211> 1132

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1133)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (661)...(132)

<223> similar to gi4929711 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7686

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|-----|
| TTTTTTTTT | ttaataccat | tctgtgattt | aaactTTTct | attggtgact | tttagttgta | 60 |
| taggcacgga | aaggaaaatc | aattgttttc | tttaatgctg | agaatttttg | ttaatatttc | 120 |
| tggacatttc | ataaaacatc | ttttgttgac | attctacaaa | tgatagcatc | caataatgtc | 180 |
| ccaatacttt | cttcttgatg | agagagttta | tatatctttt | tgacttctgt | aatattcatt | 240 |
| atttcaggaa | gatttttcag | agaaacctga | tgaccttcta | cttgagatat | taggtattct | 300 |
| tgatttat | gtttttctcc | ctcttcaatg | taaacaatta | gaattgaagt | gtcatttgct | 360 |
| gagataccaa | atTTTTTcaa | agcctctgaa | atattgttat | ttggggaaag | gttgaaaata | 420 |
| atttcagtag | atagagttct | tgtcttcatt | tttcccagtt | tgtagagggtg | aactgctttg | 480 |
| tttgctgcc | caagtatctg | aaatggatca | acaatcactg | taggatttat | cagtgatcca | 540 |
| tcgatgggtc | cttccatggc | ctttcttctc | aagtctcccg | cattttttac | atctttaaat | 600 |
| aacagaaggg | ttaccctgca | ttcgggaaat | aggtccagct | gatgtgttaa | ctgcatttca | 660 |

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|------|
| cagataagca | ggattctaca | tccggccccc | agtgcgtctc | ggaagagctc | ccgctccgaa | 720 |
| acaaagccca | caacttcg | aagcgatggc | caatccccgt | cttcttcgag | ccagtttccg | 780 |
| gataggcccg | ctcgggggtg | ccatctgttt | ccgggtcctg | gtaggagggt | tgcttccgcc | 840 |
| catggtcccg | cccattcttc | cgcctcccca | acctgggtcc | cgtcaacgga | cgcaaggag | 900 |
| aacaggggct | gtatatcact | tccggcgaag | gaaatggaag | aatctatggg | ctgggaccgg | 960 |
| aagctggggg | ctggttttga | gtctcggctt | tgtcttaacc | tgtgttgggc | gttgcaccgg | 1020 |
| gcgacctcag | tttcttctcg | tacaaggaaa | agtactgacc | aaaatgagtt | ctacatacat | 1080 |
| ttccgctgct | ggagatttct | ttnttccacc | ggcnctcaat | agtgggtctca | tg | 1132 |

<210> 7687
 <211> 1299
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1300)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1045)...(466)
 <223> similar to gi5138930 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|------------|------|
| <400> 7687 | | | | | | |
| tttttttttt | ttacaaacca | ggaatatatt | cactttttatt | catttccacg | attatgagta | 60 |
| tgacacagca | tatacatata | tttagataat | atataaaaca | tagaataaac | ccgcaggaag | 120 |
| aaatattggt | tctgggaatt | cctttatggg | ccatctttta | ttctgtaagt | tcatggtaaa | 180 |
| aggtatctcc | ccccacactg | gggggtnagg | cggcggaata | agctccagcg | tttcatgcgc | 240 |
| cactcacagg | actggcttac | ccccactggc | acttacaatg | gcagtcacag | agttacgggc | 300 |
| atgttcaccg | gtgtccatga | caaggcaaca | ccaagtataa | ataacaggaa | cttacaggca | 360 |
| gagcaaaacta | agataaaatat | gtttttgcat | cgtcctccac | atagtttctt | tttaaaaaga | 420 |
| agagtcacat | ccaggggtct | atccctcgag | tcacaattcc | agttattgct | ttgccttggt | 480 |
| ctgaactggg | agatacagtt | tgaactctgc | cggcagctca | tcttctgagt | agagtctgtc | 540 |
| tgagaagtaa | acccgtcgga | tgcgacaatt | tgcatggatc | tgactctga | gggtctcgat | 600 |
| gtaattgggtg | ccgtatgctc | gccgtgtgaa | gtctagcaag | ttgaactgaa | tctggttcca | 660 |
| gccgtcatcc | agccgcatgg | gcatgggtgca | gatgaagggt | ttgaccggg | tggtgctctg | 720 |
| gtagttactt | gcccgaagc | gacgacgcac | attcttgtca | tctagtacct | gcacttcgaa | 780 |
| ggtaaaatac | ttcttcaggt | ttttgataat | catgacaagg | aaaggaagtt | taattcccag | 840 |
| cgtcttcttg | gggtctgcag | ggcatgtgat | atatgtgggtg | cttacatttg | tcccttcaat | 900 |
| ctctagcacc | agggactgga | tgtcattatc | agtgattctt | ttgatgtggc | cattccgtac | 960 |
| ctttttgtcc | cagatttgca | gaggcttgct | gccgatgctg | tagaggatgg | agaggaagcc | 1020 |
| gctctggaac | gtgtttttga | acatctcgcc | ggcggccttc | tcctaagccg | cccccgagc | 1080 |
| cgacctaggc | cccggagtag | atacaggcac | cgagcgtcga | gggcacagca | gcaggccggc | 1140 |
| cctgttccga | agaaggggtg | ttgagctcct | ggcctccgga | tctgcagcca | ctgatggccg | 1200 |
| gactcggacg | cggcaacgct | aagtccgcga | tcttcagctc | ctaagctgcg | agctcagaac | 1260 |
| ggaaaccaca | gcaactaccg | tccgcgccgc | ggtatttcc | | | 1299 |

```

<210> 7688
<211> 2342
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (52)...(1746)
<223> similar to gi5262560 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7688
gcaggttggt gtcgggatac cagatttcct actccgagag gccccgggtc cctctgccac      60
aacttctgtc gctctgccgc ctgcaccgtg acccgcaacta ttcacgggag ccctagagag      120
gacaccggga caccagaag cgggaaatg atgtttcagg attcagtggc ctttgaggat      180
gtggctgtca gcttcacca ggaggagtgg gctttgctgg atccttccca gaagaatctc      240
tacagggatg tgatgcagga aaccttcaag aacctgacct ctgtaggaaa aacatggaaa      300
gttcagaaca ttgaagatga gtacaaaaat cccaggagaa atctaagtct tatgagagag      360
aaactctgtg aaagtaaaga aagtcacac tgtggagaaa gcttcaacca gattgcagat      420
gacatgctga acaggaaaac tcttcctgga ataacacat gtgaaagcag tgtgtgtgga      480
gaagtggca cgggtcattc atctcttaac acgcatatca gagctgacac tggacacaag      540
tcacttgagt atcaggaata tggagagaat ccatatagaa ataaggaatg taagaaagcc      600
ttcagttatc ttgactcctt tcaatcacat gataaagctt gcactaaaga gaaaccctat      660
gatggtaaag aatgtacaga aaccttcatt tccattcat gcattcaaag acacagggta      720
atgcacagtg gagatggacc ttataaatgt aagttttgtg ggaaagcctt ctattttctc      780
aatttatgtc ttatccatga acgaattcac actggtgtga aaccatataa gtgtaaacia      840
tgtggtaagg cctttactcg ttccactacc cttccagtac atgaaagaac tcacacagga      900
gtgaatgccg atgaatgtaa agaattgtgg aatgcattca gttttcctag tgaaattcgt      960
agacataaaa ggtctcacac tggagaaaaa ccctatgagt gtaagcaatg tgggaaagtc     1020
ttcatttctt tcagttccat tcagtatcat aagatgactc acactggaga gaaaccctat     1080
gaatgtaagc agtgtgggaa agcctttaga tgtggctcac accttcaaaa gcatggaagg     1140
actcacactg gagagaaacc ctatgaatgt aggcaatgtg gtaaagcctt cagatgtacc     1200
tcggaccttc aaaggcatga aaagacacac actgaggata aacctatgg atgtaagcag     1260
tgtgggaaag gcttttagat tgcttcacaa cttcaaattc atgaaaggac gcacagtggg     1320
gagaaacccc atgaatgtaa ggaatgtgga aaagtattca agtatttttc ttcttgcgt     1380
atacatgaaa ggacgcacac tggagagaag ccccatgaat gtaagcaatg tggaaaagca     1440
ttcaggtatt tctcttcctt gcatatacat gaaaggacac acactggaga taagccatat     1500
gagtgtaaag tatgtggcaa agccttcaact tgttccagtt ccattcgata tcatgaaagg     1560
actcacactg gagagaaacc ctatgaatgt aagcactgtg gtaaggcctt tatttccaat     1620
tacattcgat atcatgaaag gactcacact ggagagaaac cctatcaatg caagcaatgt     1680
ggcaaagcct ttattcgtgc cagttcatgt cgagaacatg aaagaactca taccattaat     1740
agatgagaaa tccttttagt ggaagcaacg ggagaagcct tctgttgtcc cacttccttt     1800
gaaacacaag aaaagagagt ggtgaaagaa cctctggata actgcttttt gaattgagaa     1860
gagagacttg cgataggaca ataaaatcta gaagaacttg gatggtttcg taatacaatt     1920
cacctatagc caatcttgca tgagatttca aaggcacaga aaaggaaggc atcagtcaca     1980
tattagaggc cccacacagg gagagaggtg tgtggctacc cgcttcagc ccattttcct     2040
gattctttgg cttgttaatc ggagaatatc ccccaaata cttgtctctg ttctcagag     2100
ttgtaggtct ccagatatgt cccagtgct ccacattaaa gataacatgc ccactttgct     2160
gtttcttcag aaatgttaaa atgtttacca gagaactaat aaatgttggt atggctggaa     2220
atactcactg atgcccaact cttctataga ttgagttggt ttaagaggtc tactttgtat     2280
tgcaagcatt gttgtttcta cggattagcg agcctgttct tgattaaacc aactagatgg     2340

```

```

<210> 7689
<211> 889
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (867)...(155)
<223> similar to gi33728 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7689
tttttttttt ttctgattga caatgagaat atttattgag ggttttattga gtgcagggag      60
aagggcttga tgccttgggg tgggaggaga gacctctccc ctgggatacct gcagctctag      120
tctcccgtgg tgggggtgag gggtgagaac ctatgaacat tctgtagggg ccactgtctt      180
ctccacggtg ctcccttcat gcgtgacctg gcagctgtag cttctgtggg acttccactg      240
ctcaggcgtc aggctcaggt agctagctgc tggcccgcgt acttggtgtt tgctttgttt      300
ggaggggtgt gtggtctcca ctcccgcctt gacggggctg ctatctgcct tccaggccac      360
tgtcacggct cccgggtaga agtcacttat gagacacacc agtgtggcct tgttggcttg      420
aagctcctca gaggagggcg ggaacagagt gaccgagggg gcagccttgg gctgacgtag      480
gacggtcagc ttggtccctc cgccgaatat tacaatgcct ctacccatgt agagcacaca      540
gtagtaatca gattcatcct ctgcctgggc ccccgatgata gtgagggcag atttgttccc      600
aaggatggag ccagagaagc gatcagggac cccagaagag cgagtgtttg tgttgtacat      660
gagcgtgcgt ggagcctggc ctgggggtctg ctggtaccag ctgggggagt aactagtaga      720
gcctgagcca gagctcaagc cacaagttag tgtgactgtc cctccagggg acattgagaa      780
cgatggctcc tgggtcacca cagtctgaga atccactcct gatccataag caaggagtcc      840
gaggagaagc atcatccagg ccatgggtgg ggacactcat gaaggctag      889

```

```

<210> 7690
<211> 2711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (466)...(1698)
<223> similar to gi5231143 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7690
tttcgtggcg cggcgcatgt cccggccgag tgtggcgcag cagtggcggc gcttccatt      60

```

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|------|
| cgccatgcgc | cgggggtggg | tgcccgaagg | ttgcatgatg | gaatttgaac | attacttcaa | 120 |
| gaggttttgt | attttggatt | agttaattgg | gtttgtcctc | tgctgactgt | ttcttcggat | 180 |
| gcattttttg | gtgtgctctt | gagggattaa | atgcaaagag | atcacaccat | ggactacaag | 240 |
| gaaagctgcc | caagtgtaa | cattcccagc | tccgatgaac | acagagagaa | aaagaagagg | 300 |
| tttactgttt | ataaagttct | ggtttcagtg | ggaagaagtg | aatgggtttgt | cttcaggaga | 360 |
| tatgcagagt | ttgataaact | ttataacact | ttaaaaaac | agtttcctgc | tatggccctg | 420 |
| aagattcctg | ccaagagaat | atttggtgat | aattttgatc | cagattttat | taaacaaaaga | 480 |
| cgagcaggac | taaacgaatt | cattcagaac | ctagttaggt | atccagaact | ttataaccat | 540 |
| ccagatgtca | gagcattcct | tcaaatggac | agtccaaaac | accagtcaga | tccatctgaa | 600 |
| gatgaggatg | aaagaagttc | tcagaagcta | cactctacct | cacagaacat | caacctggga | 660 |
| ccgtctggaa | atcctcatgc | caaaccaact | gactttgatt | tcttaaaagt | tattggaaaa | 720 |
| ggcagctttg | gcaaggttct | tcttgcaaaa | cggaaaactg | atggaaaatt | ttatgctgtc | 780 |
| aaagtgttac | agaaaaaaat | agttctcaac | agaaaagagc | aaaaacatat | tatggctgaa | 840 |
| cgtaatgtgc | tcttgaaaaa | tgtgaaacat | ccgtttttgg | ttggattgca | ttattccttc | 900 |
| caaacaactg | aaaagcttta | ttttgttctg | gattttgtta | atggagggga | gcttttttttc | 960 |
| cacttacaaa | gagaacggtc | ctttcctgag | cacagagcta | ggtttttacgc | tgctgaaatt | 1020 |
| gctagtgcac | tgggttactt | acattccatc | aaaatagtat | acagagactt | gaaaccagaa | 1080 |
| aatattcttt | tggattcagt | aggacatggt | gtcttaacag | attttgggct | ttgtaaagaa | 1140 |
| ggaattgcta | tttctgacac | cactaccaca | ttttgtggga | caccagagta | tcttgacact | 1200 |
| gaagtaatta | gaaaacagcc | ctatgacaat | actgtagatt | ggtggtgcct | tggggctggt | 1260 |
| ctgtatgaaa | tgctgtatgg | attgcctcct | ttttattgcc | gagatgttgc | tgaaatgtat | 1320 |
| gacaatatcc | ttcaciaaac | cctaagtttg | aggccaggag | tgagtcttac | agcctgggtcc | 1380 |
| attctggaag | aactcctaga | aaaagacagg | caaaatcgac | ttggtgcca | ggaagacttt | 1440 |
| cttgaaattc | agaatcatcc | tttttttgaa | tcactcagct | gggctgacct | tgtacaaaag | 1500 |
| aagattccac | caccatttaa | tcctaattgt | gctggaccag | atgatatcag | aaactttgac | 1560 |
| acagcattta | cagaagaaac | agttccatat | tctgtgtgtg | tatcttctga | ctattctata | 1620 |
| gtgaatgcc | gtgtattgga | ggcagatgat | gcattcgttg | gtttctctta | tgcacctcct | 1680 |
| tcagaagact | tattttgtg | agcagggggc | cattcagaaa | ccattgagca | aaataagtct | 1740 |
| atagatggga | ctgaaaacttc | tatttgtgtg | aatatattca | aatatgtata | actagcgctt | 1800 |
| catttttata | tgtaatgatg | aaaactatga | aaaaatgtat | tttcttctat | gtgcaagaaa | 1860 |
| aatagggcat | ttcaaagagc | tgttttgatt | aaaatttata | ttcttgttta | ataagcttat | 1920 |
| ttttaaacaa | tttaaaagct | attattctta | gcattaacct | atttttaaag | aaaccttttt | 1980 |
| tgctattgac | tgttttttcc | ctctaagttt | acactaacat | ctaccaaga | tagactgttt | 2040 |
| tttaacagtc | aatttcagtt | cagctaacat | atattaatac | ctttgtaact | ctttgctatg | 2100 |
| gcttttgta | tcacaccaa | actatgcaat | tggtacatgg | ttgtttaaga | agaaaccgta | 2160 |
| tttttccatg | ataaatcact | gtttgaaata | tttggttcac | ggtatgatcg | aaatgtaaaa | 2220 |
| gcataattaa | cacattggct | gctagttaac | aattggaata | actttattct | gcagatcatt | 2280 |
| taagaagtaa | caggccgggc | gcggtggctc | acgcctgtaa | tcccagcact | ttgggaggct | 2340 |
| gaggcgggca | gatcacctga | ggtcaggagt | tggagaccag | cctgaccaac | atggacaaac | 2400 |
| ccgtctctta | ctaaaaatac | aaaattggca | gggtgtgggtg | gcacatgcct | ataatcccag | 2460 |
| ctacttgggga | ggctaaggca | ggagaatcgc | ttgaaccggg | gaggcggagg | ttgcagtgag | 2520 |
| ccgagatcgc | accattgcac | tcctgcctgg | gcaacaagag | tgaaactcca | tctccaaaaa | 2580 |
| aaaaaagaaa | aagtaccaa | gggaaattat | ttgtttttga | aataccagtt | caactttggg | 2640 |
| gattattttt | cctttgaagg | aaaaaaaaag | gcttaagggt | taggattttt | aagtattccc | 2700 |
| aaagatctga | a | | | | | 2711 |

<210> 7691

<211> 2380

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (296)...(2115)

<223> similar to gi6002478 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 7691
ggacttccgt ttcggtccag ccgggctgcg gccattgttt gtgtggactg agtgttttgg      60
ccatcccggg ccactctcac aggctccggt aagtgcacat aactctcagg aggactgagc     120
cagaagcgga cagggcaaga cgagctgtgc ttgaaggaa aggggcagaa aatcgagggt     180
cagggactga gaagctactc cggtttagaa accccagaga caccgtgta gatgggtaca     240
tcacggcttc tctcccacgt taagacttaa taaagaaagc ctgatctttg accagatggc     300
agtaacattt gaagatgtga ctattatttt tacatgggag gagtggaaat tcctggattc     360
ttctcaaaaa agactctaca gggaggtcat gtgggagaac tacacaaatg tcatgtcagt     420
agaaaaactg aatgagagct acaaatccca agaagaaaaa ttcagatact tagaatatga     480
aaatttttcc tactggcaag gctggtggaa tgctggcgcc cagatgtatg agaatcagaa     540
ctatggggaa actgttcaag ggacagattc caaagacctc acacagcaag atcgttccca     600
gtgtcaggaa tggttaatac tctccacaca agtaccaggg tatgggaact atgaactgac     660
ttttgaaagc aaaagtctca ggaacttaaa atataaaaaa tttatgcctt ggcagtcctt     720
agaaacaaaa accactcaag actatggtag agaaatctac atgagtgggt cacatggttt     780
tcaagggggc agataccgtc ttggcatatc caggaaaaac ctctccatgg aaaaagaaca     840
gaagctcata gttcagcatt cttatatccc agtggaggaa gcccttccac agtatgttgg     900
ggtgatatgt caagaagacc tactgagaga ttcaatggaa gaaaagtact gtggatgtaa     960
taaagttaa ggaatttatt attggaactc acggtgtgtt ttccacaaga gaaatcaacc    1020
tggagaaaac ctctgtcaat gctccatccg taaagcatgc ttctctcaga gatcagactt    1080
gtatagacat ccaagaaacc acataggtaa gaagctgtac ggatgtgatg aagttgacgg    1140
taactttcat cagagctccg gagttcactt tcacagaga gttcacatag gggagggtacc    1200
ttatagctgt aatgcatgtg gtaagagctt cagccagatc tctagtcttc acaatcatca    1260
aagagtccac acagaagaga aattctataa aattgagtgt gataaagacc tcagtagaaa    1320
ttcattactt cacattcacc agagacttca cataggagag aagcctttta aatgtaatca    1380
gtgtggtaag agttttaatc ggagttcagt acttcatgtt catcagagag tccacacagg    1440
agaaaaacca tataagtgtg atgagtgtgg taagggtttc agccagagct caaatcttcg    1500
aattcatcag ttagtacaca caggagagaa gtcttataaa tgtgaagact gtggtaaagg    1560
ctttaccag cgctcaaadc ttcaaattca tcagagagtg catacaggag agaaacctta    1620
taaagtgtat gactgtggaa aggactttag tcacagctca gatcttcgca ttcacagag    1680
agtccataca ggggagaaac cctataactg tcctgaatgt ggggaagggt tcagtaagag    1740
ttcaaagctt cacactcatc aaagagtaca tactggagag aaaccctaca aatgtgaaga    1800
gtgtggcaag ggattcagtc agcgttcaca tcttctcatt catcagagag tccatacagg    1860
agaaaagccc tataaatgtc atgattgtgg aaagggtttt agtcacagtt ctaatcttca    1920
cattcatcag aggggtccata caggagagaa gccttatcaa tgtgctaagt gtggtaaagg    1980
tttcagtcag agctcagctc ttcgaattca tcaaagagtc catgaggag agaaacctta    2040
caaatgccgt gaatattata agggatttga tcataattca catcttcaca ataatacatag    2100
aagaggaaac ttataaatat tgttcattta gttaacagct ttaatcaaag tttacctaac    2160
ctttaaaccc tataaatcct gctgttaagg aaatcttata aataacacaa gtaatcccaa    2220
gcaacattta tagtttcccc tatctcccac taagaattat ttgcttcaa aggagatctt    2280
tagaaaaaac cctatatatt taaaattata gtgtattttt ctttacctac tataaatata    2340
atacagtcag aaatatatta aacatttaag gagaaaaaca                2380
```

<210> 7692

<211> 1029

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (386)...(491)
 <223> similar to gi547004 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7692

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|------------|------|
| tccatgcggt | ggaattcgct | gtctgcaaca | aagtgcgtgct | tgggttgacag | aggggtgggt | 60 |
| gctgtgaagt | gtggtgcaca | tttacacaca | tttctacaaa | atgactctac | cttgtggcac | 120 |
| attgaagata | attgtgtaag | tagttatctc | tgaaaactaa | tatgccacct | aatgctttaa | 180 |
| cacctgactc | tgcaggggta | gacgattggt | ggatttgctc | agcgtgggtc | ctggtttcgt | 240 |
| gttcagtgtc | tgcacgtcct | gccatcatca | ctgccacact | tactgttgac | agctgtccct | 300 |
| gctgcatgct | cttagccagc | tccatcctgt | gctctcagct | gatatttcac | aggctgggcc | 360 |
| tgggtgtgctc | tggtgactca | gtttactggt | tcaggatgca | cctctctctg | actgtacgga | 420 |
| aactatcgaa | gggctcgagc | ttacagagca | gacctttagt | cccgcataat | ctctctcttt | 480 |
| tagaaaggta | ctcactgccc | tgctctcact | acctgtctat | gcgccttgct | ccccctccct | 540 |
| ccccctctcc | cgtctcctct | cttcaggcat | tgctcttagt | tactgaagta | gcttcaaagt | 600 |
| gatctttaac | ctgtttgtga | gattgtacag | aagggtctgt | tctatctact | tgattcttta | 660 |
| attaaaacat | ttgctatgag | gtgtgataac | aatttcagc | attcgaagtt | gttactgaga | 720 |
| aatggccagt | ctgagcaacg | tgggtgcattt | ctgcagttcc | gcacgggact | ttggtcagt | 780 |
| cgtgttttgg | gtttcagaat | ttgccttttc | catgactctg | actgcagaca | gcctcttctg | 840 |
| ggcagtctgt | tgctgttggc | agcggccact | cccagagtgc | cttcaccct | cgtgtgttca | 900 |
| actttgactg | taaatgtcat | gaatgtagcc | actagaggtc | atatcattga | aagatgtcat | 960 |
| ttcagaggaa | tggggaattc | agacagtctt | tgtcagccct | tgataaaatg | tattttattg | 1020 |
| tacctcaaa | | | | | | 1029 |

<210> 7693
 <211> 1710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1463)...(329)
 <223> similar to gi3820982 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7693

| | | | | | | |
|------------|-------------|-------------|------------|-------------|------------|-----|
| tttttttttt | ttcaaagagg | aaaaaagcac | gtttgttggt | ggtaggcggg | cgtgaatggg | 60 |
| agggttcttc | accttctcca | acacctcgta | tagatgggac | gttcagggc | aatagaaaag | 120 |
| gcagcagatg | ggggcgtggt | ttgccccact | ctgtacaata | tagaagaatc | tcatatagat | 180 |
| actttgtata | aaagccacgt | gtcctcattt | gtgtcctctt | attggctggc | tgggctgggg | 240 |
| gtactggggg | acaaagaagc | tggggtgata | gaccaggaca | cagggatacc | ccatggtccc | 300 |
| cttctctctg | ctgtccccctg | gtggggtcac | tttggatcct | tgggtgggagc | atagcacagc | 360 |
| tccagtggcc | gggacacctt | ccagaatttc | tcattcacca | gctccagggt | cagcgagcca | 420 |
| ttcaacgtcg | tgaacgcccc | gcctccagggt | gcgatgtaga | tgggtgtactg | cttttcactg | 480 |

| | | | | | | |
|-------------|-------------|------------|------------|------------|-------------|------|
| acgcccctcca | ggctggggcaa | agcagggtcc | tcaggaccgt | cacctcctcc | ggcacccecca | 540 |
| ccctccccgc | cacacccatc | aggtcctccg | gtgtcagagg | cgccccctcc | aggccctcct | 600 |
| ggctccccctg | cttctgtctg | ttgcctccgc | tcgagggcaa | tgcgcagggc | caagtacttg | 660 |
| gagaggtggt | ccactgtggc | attcccagtt | gtcttcacat | acctcgtctg | gcagtattct | 720 |
| cccttctcca | cgagcagggg | gtggggccgg | aacacgagct | caatttctcc | acctggctct | 780 |
| ggggggctgg | gggccccagg | agggtttggg | gggcccagcg | ttccccctcc | cagagtccct | 840 |
| ccccggtcac | cagagtcttc | cgaaccggca | ccccaccca | ccccaccagt | gccgcctccc | 900 |
| cccgctcccta | cactgctccc | ccctgcgccc | cctccacggg | gtcgcttggg | agcagggcct | 960 |
| ggggcagagt | caggggcgga | gtctgagctc | acatcttctc | catccccctc | tccctccccg | 1020 |
| ggctctcctt | ccccccact | catcgttgtg | gtctgatctg | acctgggtat | cggccgcctc | 1080 |
| acacgctggg | ccctgtgcat | ggcctgcatg | cgtagccctc | cctcaatgct | ggagctcaat | 1140 |
| gctgtctggt | tgtgcaggcg | gctcaggcgg | ataagcactc | ggtcttgatg | ggcctcgtat | 1200 |
| tcttcccggc | taggatagat | cttagagatc | agggcaccaa | agttggggtc | tggccgtagg | 1260 |
| gatcgcttgg | acaccagctt | ctttcggcag | gtaggacact | ccttggtccc | gctccgtagg | 1320 |
| gctgtgacaa | tgcagtcaga | gcagaatctg | tggaggcact | ccttggtggt | catcgatttc | 1380 |
| ttcagcatgt | ccaggcagat | agggcacatg | agttctgaat | gcagtgaccg | aggggaaaca | 1440 |
| gcaatctctg | tgccatccat | tatggcttcc | tgcgggggtc | ggtgcagctc | atacagactc | 1500 |
| agttcccacg | ttttgctggc | attctgggca | ttcgccggcg | tcgtcatggt | gaccgggcgc | 1560 |
| agacccccca | ccagggtctc | acagccgagg | agaaggcgaa | gaaggccagc | tccagccggt | 1620 |
| cgcgctcccc | ccgccgccgc | gcctctccct | aggcccgggc | tcttggggca | agttcgctcg | 1680 |
| gtccgcaacc | gctgctcaga | cagcacgaaa | | | | 1710 |

<210> 7694

<211> 766

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (60)...(259)

<223> similar to gi3451305 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7694

| | | | | | | |
|------------|-------------|-------------|------------|------------|------------|-----|
| ccggagtcgc | caacatgtcg | accgccatga | atttcgggac | caagagcttc | cagccgcggc | 60 |
| ccccggacaa | gggcagcttc | ccgctggatc | acttaggtga | atgtaaaagc | tttaaagaga | 120 |
| aattcatgaa | gtgtcttcat | aacaataatt | ttgaaaatgc | tttgtgcaga | aaggaatcaa | 180 |
| aagaatattt | agaatgcagg | atggagagaa | aattgatgct | acaagaacca | ttggagaaac | 240 |
| tgggatttgg | agacttgact | agtggaaaat | cagaggcaaa | aaaatgaatt | ttgatgagaa | 300 |
| gacccctggg | ccgtgttcag | tggctctctca | ggacggaggg | catcatcctg | cctcttaggt | 360 |
| tggctgaggg | ctgcgtgtgg | tgtccttaga | aatgggcttc | gaatagaagc | tccagccctg | 420 |
| tgggggcgtc | tcttgggtag | ggagtggcgt | cccgttttcc | cttaggaggg | tgtttctgca | 480 |
| ttgaacccct | gagtggggacg | gcgttcccgg | caaagctggg | agggaggcga | gcgtggggca | 540 |
| agacccttgt | cttcgaggcc | ggggccctct | tgtatggggc | ggttttatgt | tgcagtcctc | 600 |
| tgatactttc | tgagttcaaa | gaggtaaattg | tataaatttc | agtccttctc | gaacacagat | 660 |
| atcatcagaa | aattaccatt | ccctagcagg | atgttttctg | gtttgtattc | gtatatgcca | 720 |
| gttcatttcc | tttgaaaaaa | aaaaaagggg | gacccccaaa | aaaaaa | | 766 |

<210> 7695
 <211> 7471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (91)...(4940)
 <223> similar to gill181628 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7695

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| tctgcggcgc | tccgagcctc | ccttgcgatc | ccacggcccg | gactgcccgg | agtgcattggg | 60 |
| cgcggggccag | ggacgctgag | cggtcgcgcc | atggaggggcg | ccgagccccg | cgcgcggccc | 120 |
| gagcgcctgg | ccgaggccga | gacgcgggcg | gcggacggcg | ggcgcctggt | ggaggtgcag | 180 |
| ctgagcggcg | gcgccccgtg | gggcttcacc | ctgaagggcg | gccgcgagca | cggcgagccg | 240 |
| ctggatcatca | ccaagattga | agagggcagt | aaagccgcgg | cggtcgacaa | gttactggct | 300 |
| ggagatgaga | tcgtcggcat | caatgacatt | ggtctctcag | ggttttagaca | ggaagcgatt | 360 |
| tgcctggtga | aggggtccca | taagaccctg | aagctggtcg | tcaaaaggag | gagcgagctg | 420 |
| ggctggaggc | ctcactcctg | gcatgccacc | aagttctctg | acagccaccc | cgagctagcg | 480 |
| gcctccccgt | tcacctccac | cagcggctgt | ccttcctggt | ccggccgaca | ccacgcgagt | 540 |
| tcttctctcc | acgacctgtc | cagttcctgg | gagcagacga | acctacagcg | caccttagat | 600 |
| cacttcagct | ccttggggag | cgttgacagc | ctggaccacc | cctccagtcg | cctctcgggtg | 660 |
| gccaagtcca | acagcagcat | cgaccacctg | ggcagccaca | gcaagcgcga | ctcggcctac | 720 |
| ggctccttct | ccaccagctc | tagcactcct | gaccacacct | tgtccaaagc | cgacacgtcc | 780 |
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| caggcccgagg | ccgcaggcga | ccctcagggc | tcggaggaga | agctcagttg | tttcccggcc | 900 |
| aggggtccccg | gtgacagcgg | caaaggcccc | aggccagagt | acaatgccga | gcccgaagctg | 960 |
| gctgcccctg | ggaggtccaa | ttttgggccca | gtctgggtatg | ttcccagataa | gaagaaagca | 1020 |
| ccatcatccc | cacctcctcc | ccctccccct | ctccgcagtg | acagctttgc | tgccaccaag | 1080 |
| agccacgaga | aggcccgagg | ccctgtgttc | tcagaggcgg | ctgcggcaca | gcacttttacg | 1140 |
| gccctggccc | aggctcagcc | tcgtggtgac | cggagaccag | agctcaccga | tcggccttgg | 1200 |
| aggctcagcac | accgggggag | cctcgggaag | ggatcgggag | gcccgggctg | cccacaggag | 1260 |
| gccacgcag | acggcagctg | gccgccctcc | aaggatggag | cttccagtag | gctgcaggcc | 1320 |
| tctctgtcca | gctcagatgt | gcgttccct | cagtctctcc | atagcggccg | acaccctccc | 1380 |
| ctatacagcg | accacagccc | cctctgtgct | gacagccttg | ggcaggagcc | aggggctgcc | 1440 |
| agcttccaga | acgacagccc | tcctcaggtg | agggggctca | gcagctgtga | ccagaagctg | 1500 |
| gggagcggct | ggcagggtcc | ccggccctgt | gtgcagggag | acctgcaagc | agcacagctc | 1560 |
| tgggcgggat | gctggccttc | tgacacagcc | cttggagccc | tcgagagtct | tccccacccc | 1620 |
| acggtgggccc | agagcccacg | ccatcaccta | cctcagcctg | agggtcctcc | ggatgcccgc | 1680 |
| gagacaggac | ggtgttacc | gctggacaaa | ggggccgagg | gctgctccgc | gggagcccag | 1740 |
| gagcctccca | gggccagccg | tgcaaaaaa | gccagccaga | ggctggcagc | cagcatcacg | 1800 |
| tgggcagatg | gggagagcag | caggatctgc | ccgcaggaga | cgcctctgtt | gcactccctg | 1860 |
| acccaggag | ggaagcgccg | gcctgagagc | agtccagagg | acagcgccac | cagaccgcca | 1920 |
| ccgttcgacg | cccacgtggg | caagcccacc | cgaagaagcg | accgctttgc | caccaccctg | 1980 |
| cggaatgaga | tccagatgca | tagagccaag | ctgcagaaga | gccggagcac | agtggctctg | 2040 |
| actgcagcag | gggaggcgga | ggatggcacc | ggcgcttggg | gggcccgggtt | gggagggtggc | 2100 |
| acccagggaag | gacccctcgc | tggcacctat | aaagaccacc | tgaaagaggc | ccaagcccgg | 2160 |
| gtcctgaggg | ccacgtcctt | caagcgccgc | gacttggacc | ccaacccagg | agacctatac | 2220 |
| ccggagtcac | tggaaacaccg | gatgggggat | ccagacactg | tccccactt | ctgggaggca | 2280 |
| ggcctggccc | agccaccctc | atctacaagt | ggcgggcccc | acccgccccg | catcggaggc | 2340 |
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| | | | | | | |
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| gtgggcacgt | ttgctgacag | gtggaagttt | tttgaggaaa | cgagcaaacc | tgttccccag | 2520 |
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| acagcggggc | gcacatgtga | gggcacggag | ccctgggtgc | gcaccacctc | ccttgggggac | 2640 |
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| ggcacctttg | cagagtatca | ggcctcttgg | aaggaacaga | ggaaacctct | ggaggccagg | 2760 |
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| gaagcttctg | tcgaactgcg | aaggcaggca | ggggacccc | gagagcccag | agaagagctt | 2940 |
| ccctccgcag | tccgggcccga | ggagggacag | tccacgccga | gacaagcaga | tgcccagtg | 3000 |
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| acattctctg | aactatctca | ctgccgggga | gccccagagc | tgccccggga | gggcccggggc | 3120 |
| cgagcgggaa | ccctacctcg | agattataga | tactcggagg | agagcacccc | agcagacttg | 3180 |
| ggaccccgcg | cccagagccc | tggtcacccc | ctgcatgctc | gaggacaaga | ctcgtggcca | 3240 |
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| ctctcccaca | gcccctctgt | gttcagcagt | gcccagcccc | aggacacccc | gaaggccact | 3480 |
| gtctgtgagc | gtggaagcca | gcatgtgagc | ggggacgcat | cacgtcctct | gccagaagca | 3540 |
| ctgctccctc | ccaagcagca | gcacctgcgc | ctgcagacgg | ccaccatgga | gacctcgcgc | 3600 |
| tccccctcgc | cccagttcgc | ccccagaaa | ctgacggaca | aacctcccct | gctcatccag | 3660 |
| gatgaggatt | caaccaggat | tgagcgggtg | atggacaaca | acaccacggt | gaagatggtg | 3720 |
| cccatcaaga | tcgtgcactc | ggagagccag | ccagagaagg | agagccgcca | gagcctggca | 3780 |
| tgccccgcgg | agccacctgc | cctgccccac | gggctggaga | aagaccagat | caagacgctg | 3840 |
| agcacatctg | agcagttcta | ctcgcgcttc | tgtctgtaca | cgcggcaggg | tgctgagccc | 3900 |
| gaggccccac | atagggccca | gccggctgag | ccccagcccc | tgggcaccca | ggtgcccccc | 3960 |
| gagaaagacc | gctgcacctc | ccctccaggg | ctcagctaca | tgaaggccaa | agagaagact | 4020 |
| gtggaagacc | tgaagtgcga | ggagctggcc | aggagatcg | tggggaagga | taagtccctg | 4080 |
| gccgacatcc | tggatcccag | tgtgaagatc | aaaaccacta | tggacttgat | ggaaggcatc | 4140 |
| ttccccaaag | acgagcacct | cctggaagaa | gccagcaaac | ggaggaagct | gctccccaaa | 4200 |
| atcccctctc | ctagaagcac | agaggagagg | aaagaggagc | ccagcgtgcc | tgcgcccgctg | 4260 |
| tccctggcca | ccaattctac | ctactacagc | acgtcggccc | ccaaggcgga | gctgctgac | 4320 |
| aagatgaagg | acctgcagga | gcagcaggag | cacgaagagg | attcgggaag | cgacttgga | 4380 |
| cacgacctgt | cgggtgaagaa | gcaggagctc | atcgagagca | tcagccgcaa | gctgcaggtg | 4440 |
| ctccgggagg | ccgcgcagag | cctgctggag | gacgtgcagg | ccaacaccgt | gctgggggccc | 4500 |
| gaggtggagg | ccatcgtgaa | aggcgtctgc | aagcccagcg | agtttgacaa | gttccggatg | 4560 |
| ttcattggag | acctggacaa | agtgggtgaac | ctcctgctgt | cgctgtcagg | ccgcctggcc | 4620 |
| cgggtggaga | atgccctcaa | taatttggac | gacggcgctt | ctcccgggtga | tcggcaatca | 4680 |
| ctgcttgaga | agcagagagt | cctgatccag | cagcacgagg | acgccaagga | gctcaaggag | 4740 |
| aacctggacc | gccgcgagcg | catcgtcttt | gacatttttg | ccaactatct | gagcgaggag | 4800 |
| agcctcgcgg | actatgagca | cttcgtgaag | atgaagtcgg | ccctcatcat | cgagcagcgg | 4860 |
| gagctggaag | ataaaatcca | ccttggtgaa | gagcagctga | agtgccttatt | ggacagcctt | 4920 |
| cagcccga | ggggcaaata | agagaccagt | ccccgggtgga | ggagggggcac | ggggcctccg | 4980 |
| agctccagct | ccgttcccaa | ggataactcgt | gaagacccca | tctgtgttca | tggcctggaa | 5040 |
| agagacttct | cccatagcaa | agaggctgtt | ataaaagcaa | taacttttgt | gtttgtgtgg | 5100 |
| gatgatttat | ttaatttttt | agtttccctt | ttgattgctg | agagccattt | tcctttacac | 5160 |
| ataactacac | ctgacaccag | gctctgctgg | atgtgagttt | ccactgcattg | ggctgtggggc | 5220 |
| tgggcctgtg | gtgcctgccg | agtggtcact | gtcagtggga | aacctgctgt | tcctcccgtc | 5280 |
| ttcagatgct | gagccaactg | cttgacacg | agccagcgcg | tcattgacgtg | catgagaggg | 5340 |
| ggacctgggt | gctcatcttc | tcttgcattt | catccaggca | tgggctgcca | ggttttgtcc | 5400 |
| ctgctcgttc | aacagtgtga | gcatttgtct | ctgttatcta | atgatgttct | ctgacccagc | 5460 |
| agaaatcatc | atcatgatga | tgataattta | ttactttttt | ggaagggtga | atagtttctt | 5520 |
| aatgggtaaa | aaccaactgt | gaaaggaacc | acctgtgtgg | ttgggttcac | tcattctcag | 5580 |
| attaaattgc | cacttaaaga | aataacgtgc | atgctttaaa | aaacacagtc | acgcaccaag | 5640 |
| caggcaaata | gctttagtc | ttctcacctc | acatcacagt | tgcttctgca | agtaaaattt | 5700 |
| tttggttaag | agcgtgtcca | gtagtaattg | gcttggttagc | tgcttctcaa | gaccaacaga | 5760 |
| agattttttc | agttactttc | cccccatgta | ttttgtatgc | atatgattgt | ccgtgataat | 5820 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|------|
| tgggctactt | ttccattgtt | tcctccttaa | atcgtttagc | atggcatgag | ggccacattc | 5880 |
| catggacggg | aagaccccct | tcctcttcag | aggtcccgtg | ggacctacac | agcctccctg | 5940 |
| agcttggatc | ctttttcctg | ccccatgaag | ttttaaagat | tcctatgccc | catttccctt | 6000 |
| gattgaaatg | gcaggattcc | taaagagagc | cctggtttgt | taaaagaaaa | cactgtcatg | 6060 |
| cctgtcagtt | ccccaaattga | caagtcacag | actgggagaa | aatatttgca | aatcgtgtat | 6120 |
| ctgacaaaag | gtttgtgtcc | aggatgtaca | aagaactctc | aaaccggata | gtaagaaaac | 6180 |
| aaacagccca | agtgaaaagc | aggcaaaaga | cttgaataga | cacttcacca | aagagcatac | 6240 |
| acgcgtggca | aacaagcaca | cgaaaagacg | ttcagccgcc | gatggccttg | ttataattta | 6300 |
| taacttactt | atttttatct | aataattgga | gattcagtgt | atctcttcaa | aaaatgttta | 6360 |
| attaaatgca | tgtaaatggg | gagtgaatcc | cttgggtgac | ttcgtgttta | ggctgtatta | 6420 |
| gggcatttgt | tggatcaacg | gatcatttta | accctgactt | ccccttattc | ccataaaaga | 6480 |
| agttttccag | tggaatggag | atctcatttt | gtcagcagca | gtgaccacag | ccttaccaaa | 6540 |
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| acttcctgag | ccagaggggc | cgtgttgacg | gtaatgcatt | ctctatagag | ccaagtccaa | 6660 |
| actggcaagc | tcaatgatgc | aggcaataaa | ccgccttttt | ggcagcctac | caatgccaaa | 6720 |
| aggataaatg | tctttccaaa | agtgtgtatt | cctgttaaata | taagctcttg | ctaacttgaa | 6780 |
| aaatccctgt | tctgccagcg | aagcttcctc | ctcctctcca | gctggtaggt | acttgcgtag | 6840 |
| atgctgggtca | gtctgaaaag | gtgaagctgg | ctgtgcactt | accccatctt | ttctccctcg | 6900 |
| gggagacgac | ccaaggaatt | tcaaaatatt | ttgtttggca | gagcttttac | ctgttattct | 6960 |
| ttgccctcaa | atacagtatt | ggggtcattt | tgatgatatg | tgtgtaaaat | gtgaataatc | 7020 |
| caattgggtgt | ctgtactcag | cctttttgatg | tcttttttagg | actttctctt | ctacacagca | 7080 |
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| ccataactct | gtatctagtt | gtattattca | tagaaaatca | atctgggtgct | aatgggtggc | 7260 |
| cctgggtgttg | ttgggtggca | gctgctcctt | cgccctcttg | tagtgtggct | gtggagggct | 7320 |
| ctgcctatgg | gggggtggct | gtggcttcta | tccttcagtc | caccacagca | aatgtgtgta | 7380 |
| gatttcatgc | tcgacactta | ccactcacct | atcaacagat | catcctgctt | gactggtaac | 7440 |
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<210> 7696

<211> 963

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (40)...(961)

<223> similar to gi4200234 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7696

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| accaagtgcc | accagcgctt | ccccttcgag | gcgctgtctc | aggggcagca | gctgtgcaag | 120 |
| gaatgtcgga | ttgcacaccc | tggtgtgaag | tgcacctact | gcaggactga | gtaccagcag | 180 |
| gagagtaaaa | ccaatacaat | atgcaagaaa | tgtgctcaga | acgtgcagtt | gtatggaacg | 240 |
| cccaaaccct | gtcagtattg | caacataatt | gcagcattta | ttgggaataa | atgccagcgc | 300 |
| tgcacaaatt | cagaaaagaa | gtatggacca | ccctattctt | gtgaacagtg | caagcagcag | 360 |
| tgtgcatttg | acaggaaaaga | tgatagaaaag | aaggtagatg | ggaaattgct | gtgctggctg | 420 |
| tgcacacttt | catacaaacg | ggtccttcag | aagaccaaag | agcagaggaa | acacctgagt | 480 |
| agctcttctc | gtgctggcca | ccaggagaag | gagcagtata | gtcgctgag | tggggggggc | 540 |

| | | | | | | |
|------------|-------------|-------------|------------|------------|------------|-----|
| cattataaca | gccagaaaaac | acttttctaca | tcttcaattc | aaaatgaaat | cccaaagaaa | 600 |
| aagtccaagt | ttgagtcaat | cacaactaat | ggagacagct | tctccccaga | cctgggtctg | 660 |
| gactcaccag | gcactgacca | ctttgtcatc | attgcccac | tgaaggaaga | agtggctacc | 720 |
| ctgaagaaga | tgttgcatca | aaaggatcaa | atgattttag | agaaagagaa | gaagattaca | 780 |
| gagttgaagg | ctgattttca | gtaccaggaa | tgcagatga | gagccaaaat | gaaccagatg | 840 |
| gagaaaaccc | acaaagaagt | cacagaacaa | ctgcaggcca | aaaaccgaga | gctcctgaag | 900 |
| caggcagctg | ctttgtccaa | gagcaagaag | tcagagaagt | caggagctat | aacctctcca | 960 |
| tga | | | | | | 963 |

<210> 7697

<211> 1349

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (354)...(779)

<223> similar to gi4633066 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7697

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| gcttggttcc | ccagcaaccg | ggagacgcgt | ctgctgcgtg | gaaccgccga | gttcccagcg | 120 |
| cttgagaagg | aaaattctgg | atctgttata | tgtgaggagg | ccactccggt | gacagttgtg | 180 |
| taaaactctg | ctgctttccc | cagctccaac | ctctctggtc | ttcaacaaca | ctatcatcag | 240 |
| ggaaaacgtg | ggggaagatg | aaccagccgt | gcaactcgat | ggagccgagg | gtgatggacg | 300 |
| atgacatgct | caagctggcc | gtcggggacc | agggccccc | ggaggaggcc | gggcagctgg | 360 |
| ccaagcagga | gggcatacct | ttcaaggatg | tcctgtccct | gcagctggac | tttcggaaca | 420 |
| tcctccgcat | agacaacctc | tggcagtttg | agaacttgag | gaagctgcag | ctggacaata | 480 |
| acatcattga | gaagatcgag | ggcctggaga | acctcgcaca | cctggtctgg | ctggatctgt | 540 |
| ctttcaacaa | cattgagacc | atcgaggggc | tggacacact | ggtgaacctg | gaggacctga | 600 |
| gcttggttcaa | caaccggatc | tccaagatcg | actccctgga | cgccctcgtc | aagctgcagg | 660 |
| tgttgctcgt | gggcaacaac | cggattgaca | acatgatgaa | catcatctac | cttcggcggt | 720 |
| tcaagtgcct | gcggacgctc | agcctctcta | ggaaccctat | ctctgaggca | gaggattaca | 780 |
| agatgttcat | ctgtgcctac | cttcctgacc | tcattgtacct | ggactactgg | cgcattgatg | 840 |
| accacacaaa | aaagcttgcg | gaggetaagc | accagtacag | catcgacgag | ctgaagcacc | 900 |
| aggagaacct | gatgcaggcc | cagctggagg | acgagcaggc | gcagcgggag | gagctagaga | 960 |
| agcacaagac | tgcgtttgtg | gaacacctga | atggctcctt | cctgtttgac | agcatgtacg | 1020 |
| ctgaggactc | agagggcaac | aatctgtcct | acctgcctgg | tgtcggtgag | ctccttgaga | 1080 |
| cctacaagga | caagtttgtc | atcatctgcg | tgaatatttt | tgagtatggc | ctgaaacagc | 1140 |
| aggagaagcg | gaaaacagag | cttgacacct | tcagtgaatg | tgtccgtgag | gccatccagg | 1200 |
| aaaaccagga | gcagggcaaa | cgcaagattg | ccaaattcga | ggagaagcac | ttgtcagatt | 1260 |
| taagtgccat | tcgagaggag | ttggaactgc | ccaacaccat | tcttccccca | cccctggaaa | 1320 |
| aacttccaaa | agtagagaaa | ataaaggac | | | | 1349 |

<210> 7698

<211> 1329
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1071)...(213)
 <223> similar to gi5304876 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7698

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| ctattcagca | ttctctatct | aaccctcctt | ccccttctac | ttcctatact | atcctacccc | 180 |
| tggccagcag | taccccaagg | ccaggccctc | agctgtgggg | gcgtgtgctg | agcaccaagc | 240 |
| agagggagct | gagcccggcg | ccagccttct | ccagttctga | gcaggacaca | ggtaccaggg | 300 |
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| gcaggaggaa | aggggggcaca | ccaggcaacc | caggacgaag | aaagagacag | tcagcagctg | 420 |
| cgtcatctgg | gaggggtcagg | gaggcataatg | ggtgatctgt | cagcactgcc | attgcccgga | 480 |
| cagccttttg | ggcagcgtcg | ctgctgcctg | ccacaacagt | gcgaggtccc | cccatgccgc | 540 |
| agagaccgcg | caggtgggag | ggacccgaga | ctggcacagt | ggagacggcg | aagtcccgga | 600 |
| acgtgtccgc | cacgatctca | gctcctcggt | gattggtcca | tttggagagg | cctacgaaaa | 660 |
| actcccggcc | ggtgaagaga | acgtcagtcg | catccagcgt | cgcgttctcg | tctcctattt | 720 |
| ccacaattcg | gagccccagg | tcttgccagg | ctttgcccag | tccatcgacc | tctggcctac | 780 |
| gagcggggct | ccaggggccgc | gtgattaggg | ccgtgtcccc | ttggatcacg | gccgtgtcgc | 840 |
| caagcagcgg | tcccagcggc | aatgactcct | caggtggcag | ttctagcagc | tgtagcccca | 900 |
| gtcgttgctt | cagtttacct | cccagcacc | cgtgctccct | ttgagctttg | gccagatcca | 960 |
| gagcgggaag | gccagccccc | gcaccttccc | ccgacgccag | gctctctggg | actccccgga | 1020 |
| tcagggcatg | ggagcagcgg | cccagccctt | cccccgcggt | ccccatccca | tccacacaga | 1080 |
| ctccccctcc | aaccgctcgg | atttcttagt | tttcttggtt | cttcacctgt | ctccagcggc | 1140 |
| cacccccact | cctgtcgcgc | tgtgatctcg | gctggggccc | caccccccca | ggacagagtt | 1200 |
| ggtggagaag | ggagtccccg | tcttcaagcc | tcggggactg | ggagctctgg | cttttagcgg | 1260 |
| gggtccttgt | gtaggcgagc | tcatatacta | cgatggggca | ggggcgcgac | ggtctggcgg | 1320 |
| ctccggggc | | | | | | 1329 |

<210> 7699
 <211> 2018
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2019)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1839)...(64)
 <223> similar to gi5911862 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7699
tttttttttt ttggactgct tagaaaattc agctttaatg gccccagccc ttctgtctga      60
gtctagtagt ccagggcaca gatgagggcc acaccacgct ttatccagtg tcgctggggc      120
tgatgggtgg ggatctccac agcaatgaca tagttggtag agtgtcctgt ggttgatagt      180
gttccagcac gagtcagtgt cttgtagatg gggcacaggt aaaagtcctg gtcctggggc      240
ttgcggttgg gtgttggcaa gagccagata acggccatct ctgtgtacag ctccttgggc      300
tgagactcag ccagctggaa ggctcttgga tcccagcggg caccttccag gaataatcca      360
tgatatagc accctacttg gggctcttgt gttaactctg atggtgcctc aaacatcacc      420
ttgaaatcaa aggagatggg gtcaatggag atgacaaatt tgcgggcaaa attctgcaga      480
gtgcctgtta agaaagcctg ggggaagaag aatccactga tccagaagac agctgggatg      540
ccatcttgga tccaggcctg cagaaagtcc aggcgttgca gcaggccat gacccatgat      600
gacagaggct tgagcgatgg gtaggccttg gcaactccaga gctcaggcac agtattgttg      660
tacaggctgg cagccatcag ctccagctga gaggacatca ctaccagccc cttgagtgcc      720
ttgagtaggt cttgcagtgt ctgtgtgatc acctgcagca gccgattgta cctaatgacc      780
tcttgacta gtactgtgtt cattgattcc tcatacagca ctgggtactt ggccatcacc      840
cattgcaagt tgataggctc aggcacctg agcagaatgt tttgggtgac gtcctccact      900
atctcctccc ggccctggct gcctgcagaa gatgatttgg gttgcagctg gatgatggtg      960
cccaggaggg cgaacgtctc gttctgggca aaggatgatg tggcattgtc atgcaggcca     1020
aagatctcag gcatatcatt gagtgggagg ctcttgatgt aggagaggta gccgtggagg     1080
tcgtaggtag gcgggatctg gtggtagatg cccgaggcgc tgtagctgtg ctcaggggag     1140
agcacgtcag ggttgtagaa gtctccaag atgttcatga tgcagcgccg gtcccagtca     1200
tcagtgcac ggccccgta attgatctcc cctgccgtgt acttgaggac cttgtagggg     1260
atgtcatcat attcgtccag gaacatcttg agctggctga tgcagatgcg cagatctcca     1320
tccgtgaact cataggggat gttgaagccc aggggcccaa acttacggcg ctccaggggc     1380
ttcccatgga acaagcacag agacagcagc agagacttga actccatcac cttgtggcag     1440
gagttgagga agtcttcacc aaggctacta taggacttca gcaggttggc cctgacaccg     1500
cgtggcggct caatggtcat cttggagccg ttctgcagga tggacactgg gaacttggtg     1560
ctgggcaggc tggtagacca gaggcggaag tcctgtgta ccttgtcggg gttgatgtgc     1620
tcgatgaggc gttctagggc tggcatccag cttggtgcca ggtggcagtt ctggaagaag     1680
accattttgc ccctctctat ggagctgcgc atcatggctt ctgcccaggg gccctgcccc     1740
tggcccaggg agatggcaga gagctttttg gagaacttca tttcttcggc aaacttgtag     1800
aggctggcag cagggtctgt gccgggtgac agcaciaaaga tgaggggtgt ggtggagtgt     1860
gagcttttga acaccactga cagattggct gtctgggggt caatgaagcg tggctccagg     1920
ttggtgacca aaaagtccct catggcggtg gtaaccttgt cccacgcag gcagcgctc     1980
gtaccaagct gnnnntntca tgtcgtaacg taatcaag      2018

```

```

<210> 7700
<211> 2746
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (2725)...(1035)
<223> similar to gi3493162 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```


<400> 7700

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| ggtgctggtg | ggcgacacagg | tgcacctgat | gtcactgtgg | gcacgacagc | tgggcccagag | 60 |
| gaccaccacc | agctggtagg | acacagcacc | ctcgctgtct | gggagcagtt | gggtgcactt | 120 |
| tggcgctctg | tgtcttgtga | ctggaagctg | tgtttatggt | atthttgcaaa | tactaacata | 180 |
| aatgggcact | cagtaaacac | ccagttagaa | aacgtttttat | ggacacggaa | cgctccactg | 240 |
| taacgggcag | gcagaacaca | ctcctttccc | aggctcatca | attaacacaga | aaacagggga | 300 |
| gctctcctca | ccccagcctg | gccctgtgct | ccccaatggc | ccctgcgagg | cccctaccat | 360 |
| ggcctgcctg | ggagacacaa | actatgacag | gaacacactg | gactgataca | gaatgaggcc | 420 |
| agacacaccc | atgcctgtgc | ctcccaagag | cgaccccagg | acagtggggc | agacagaggt | 480 |
| gtctacactg | gcagaaacaa | gggctggagc | cacacgtgat | gctcggacac | aaacggcacg | 540 |
| cagctctgca | gcctggccac | acacccttcg | cgtatgactc | cactcctcag | ggttcacggg | 600 |
| gctgtgtaca | gagactctct | ctgctgacac | gatggccaca | cgcccttcgt | gtatgactcc | 660 |
| actcctcagg | gttcacgggg | ctgtgtacag | agactctctc | tgtgacacg | atggccatat | 720 |
| ggccttcgcy | tatgactcca | ctcctcaggg | ttcgtggggc | ttggagactc | tgtgacatg | 780 |
| ataccacaga | caattcatta | cctccccgcy | gctgcttccc | gcatgccaaa | ggggacagga | 840 |
| tcaaaagtcct | tgtctgatga | caaaaactct | acacgtgcaa | aataaaacta | aaaaaataaa | 900 |
| ataaaagagc | tgaaggtggt | ctagagttag | gtcttggcag | aggccgcagg | ctctggagac | 960 |
| tgaagaaact | cataggggtc | gtgggtgacg | tctggctgct | ccccgacact | caggcgagaa | 1020 |
| gggcttccca | ggtggtgctg | gtccctctcg | gaggcggttg | acagggagct | gagggtggac | 1080 |
| gacggccgag | agcgcgcgcy | ctccgcctgt | gcttcgtgca | ggctcctgcag | gagcttcgtc | 1140 |
| gtctcatcca | agttcaaatg | gctgtcgtca | gggtccagct | ccttcttcac | cttccccaga | 1200 |
| gagctgagca | tggagatata | cacagaaacg | tcgggatagg | acttcacga | catgaactcc | 1260 |
| agaacagagc | tgtctgtgtc | tcctaggggtg | tccccaaact | tggcttcac | tggaggcttc | 1320 |
| atgggaacat | ttcttctctg | cttcagctgg | aagagcgtcc | tagagtggtc | tcgcctgtg | 1380 |
| atctgggtcca | ggaggtcgtc | caccactttc | ttgtctgtagc | tcccagcatc | cttcacaaac | 1440 |
| tcctgcaggc | tcagcgcaca | ctgcacgcct | gtctcatctc | cgtaggctga | gtagagcagc | 1500 |
| tccatctcgt | ccgacttcaa | gtcgccaaat | actgaattat | tctgcatcga | aagcgcagta | 1560 |
| gtggcactgg | agagaaaggt | gactttgttt | cttctctcgt | ctttgaagcc | cagcgtgggtg | 1620 |
| aagcctggga | gtagcttact | ggagagcgag | ctcaagtcca | ccgggtgggt | ctcctcctca | 1680 |
| tcagcgtccg | gctcggccgt | gttgaccacg | ctgtagagca | ggctcccgtc | cccgttcctc | 1740 |
| ttcagatagc | ccatcttgcc | gcctgggagg | aaccggttga | tctgtcccg | agcttcgtca | 1800 |
| gctgctgct | ccaccagcgc | cagcacgtgc | tcctctgcgg | tactgtccgt | caagctgcag | 1860 |
| gcattccctt | caggctcaaa | catgcagctg | ataacttctc | tactcggctt | tttggaattc | 1920 |
| ttggcagttt | ctacttgtac | tggtacaact | tcagggacag | gttctcaac | agctgtatct | 1980 |
| tcattgcccc | aaagagctgc | ctgtttgtct | atcatcttaa | agcctgcgtg | aaggatcttc | 2040 |
| ttcgccaact | tgtagtacac | ggtatctggc | ctattgtatg | tcattgcatt | atcacacatc | 2100 |
| agcttgaaat | ctgccttaaa | ttccgtaact | gacttgtatt | cattagctac | aattttgtct | 2160 |
| ttcatggtgc | caaaatccat | gggatgtttt | attatcattg | aatatccagg | agcaattgca | 2220 |
| tcctgtacag | gaaaagcaaa | aaatccatgg | ggatcttttc | tctgaagctg | gcggaggaag | 2280 |
| tgttccagga | gttgctgaat | aggtgtgtct | tcattttcgg | ctggctgtgt | ccggcacgct | 2340 |
| cggactggcc | gatctggggg | cggctccacc | tcacacctct | tcccaggatc | aaagtcgtca | 2400 |
| gcctctccct | ccgtgtcaca | gtgtctccctc | tctcgtctcc | gcttcttctc | ttcctttcgc | 2460 |
| ttcctttctt | cctcatcgte | cagatgcttc | tccttctcgg | acttcttctt | cttcttcttt | 2520 |
| ttcttttctt | tgtgcctctc | tcgtcatagg | tctgacctgt | catcatagta | actggagtcg | 2580 |
| tggccggatc | ctgagagttc | agtcacttca | cttctccga | ccttcaggac | tagctttaga | 2640 |
| ggcttctcca | ggggcttgte | ggcataatcc | tcgtaggacg | agcggcactc | ggccttggtg | 2700 |
| ttcttgtgct | tcttgcccat | ggcggcgcgc | gcggcgggcc | cgaggc | | 2746 |

<210> 7701

<211> 1697

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (17)...(1672)
 <223> similar to gi2411475 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7701

| | | | | | | |
|------------|-------------|-------------|------------|-------------|------------|------|
| cctggcggat | ggagacatgc | tgccccctgct | gctgctgccc | ctgctgtggg | gggggtccct | 60 |
| gcaggagaag | ccagtgtacg | agctgcaagt | gcagaagtcg | gtgacgggtg | aggagggcct | 120 |
| gtgcgtcctt | gtgccctgct | ccttctctta | ccctgggaga | tcctgggtatt | cctctccccc | 180 |
| actctacgtc | tactggttcc | gggacgggga | gatcccatac | tacgtcgagg | ttgtggccac | 240 |
| aaacaacca | gacagaagag | tgaagccaga | gacccagggc | cgattccgcc | tccttgggga | 300 |
| tgtccagaag | aagaactgct | ccctgagcat | cggagatgcc | agaatggagg | acacgggaag | 360 |
| ctatttcttc | cgcgtggaga | gaggaaggga | tgtaaaatat | agctaccaac | agaataagct | 420 |
| gaacttggag | gtgacagccc | tgatagagaa | acccgacatc | cactttctgg | agcctctgga | 480 |
| gtccggccgc | cccacaaggc | tgagctgcag | ccttccagga | tcctgtgaag | cgggaccacc | 540 |
| tctcacattc | tcctggacgg | ggaatgccct | cagccccctg | gaccccgaga | ccaccgctc | 600 |
| ctcggagctc | accctcacc | ccaggcccg | ggaccatggc | accaacctca | cctgtcagat | 660 |
| gaaacgcaa | ggagctcagg | tgaccacgga | gagaactgtc | cagctcaatg | tctcctatgc | 720 |
| tccacagacc | atcaccatct | tcaggaacgg | catagcccta | gagatcctgc | aaaacacctc | 780 |
| ataccttccg | gtcctggagg | gccaggtct | gcggctgctc | tgtgatgctc | ccagcaaccc | 840 |
| ccctgcacac | ctgagctggt | tccagggtc | ccctgccctg | aacgccaccc | ccatctccaa | 900 |
| taccgggatc | ttggagcttc | gtcgagtaag | gtctgcagaa | gaaggaggct | tcacctgccg | 960 |
| cgctcagcac | ccgctgggct | ccctgcaaat | ttttctgaat | ctctcagttt | actccctccc | 1020 |
| acagttgctg | ggccccctcct | gctcctggga | ggctgagggt | ctgcaactga | gatgtcctt | 1080 |
| tcgagcccgg | ccggccccct | ccctgtgctg | gcggcttgag | gagaagccgc | tggaggggaa | 1140 |
| cagcagccag | ggctcattca | aggtcaactc | cagctcagct | gggccctggg | ccaacagctc | 1200 |
| cctgatcctc | cacggggggc | tcagctccga | cctcaaagtc | agctgcaagg | cctggaacat | 1260 |
| ctatgggtcc | cagagcggct | ctgtcctgct | gctgcaaggg | agatcgaacc | tcgggacagg | 1320 |
| agtggttcct | gcagcccttg | gtggtgctgg | tgtcatggcc | ctgctctgta | tctgtctgtg | 1380 |
| cctcatcttc | tttttaatag | tgaaagccc | caggaagcaa | gcagctggga | gaccagagaa | 1440 |
| aatggatgat | gaagaccca | ttatgggtac | catcacctcg | ggttccagga | agaagccctg | 1500 |
| gccagacagc | cccggagatc | aagcatctcc | tcctggggat | gccccctcct | tggagaaca | 1560 |
| aaaggagctc | cattatgcct | cccttagttt | ttctgagatg | aagtgcaggg | agcctaagga | 1620 |
| ccaggaggcc | ccaagcacca | cggagtactc | ggagatcaag | acaagcaagt | gaggatttgc | 1680 |
| ccagagtcca | gtcctgg | | | | | 1697 |

<210> 7702
 <211> 4041
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (161)...(2453)
 <223> similar to gi3283370 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7702

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|------|
| gtccttccca | cccttagtcc | caggcatctg | actaccggga | acctcagcca | gagtcgggga | 60 |
| gccccccacc | ccgtccagga | gccaacagag | cccccgctct | gctggcgtag | gaatacattg | 120 |
| ctctcctttg | gttgaatcag | ctgtccctct | tcgtgggaaa | atgaaccaga | agacaatcct | 180 |
| cgtgctcctc | attctggccg | tcatacccat | ctttgccttg | gtttgtgtcc | tgctgggtggg | 240 |
| caggggtgga | gatgggggtg | aaccagcca | gcttccccat | tgccccctctg | tatctcccag | 300 |
| tgcccagcct | tggacacacc | ctggccagag | ccagctgttt | gcagacctga | gccgagagga | 360 |
| gctgacggct | gtgatgcgct | ttctgaccca | gcggtctggg | ccagggctgg | tggatgcagc | 420 |
| ccaggcccg | ccctcgga | actgtgtctt | ctcagtggag | ttgcagctgc | ctcccaaggc | 480 |
| tgcagccctg | gctcacttgg | acagggggag | ccccccacct | gcccgggagg | cactggccat | 540 |
| cgtcttcttt | ggcaggcaac | cccagcccaa | cgtgagttag | ctgggtgggtg | ggccactgcc | 600 |
| tcacccctcc | tacatgcggg | acgtgactgt | ggagcgtcat | ggaggcccc | tgccctatca | 660 |
| ccgacgcccc | gtgctgttcc | aagagtacct | ggacatagac | cagatgatct | tcaacagaga | 720 |
| gctgccccag | gcttctgggc | ttctccacca | ctgttgcttc | tacaagcacc | ggggacggaa | 780 |
| cctggtgaca | atgaccacgg | ctccccgtgg | tctgcaatca | ggggaccggg | ccacctgggt | 840 |
| tggcctctac | tacaacatct | cgggcgttgg | gttcttctctg | caccacgtgg | gcttggagct | 900 |
| gctagtgaac | cacaaggccc | ttgacctgc | ccgctggact | atccagaagg | tgttctatca | 960 |
| aggcgcgtac | tacgacagcc | tggcccagct | ggaggcccag | tttgaggccg | gcctggtgaa | 1020 |
| tgtggtgctg | atcccagaca | atggcacagg | tgggtcctgg | tccctgaagt | cccctgtgcc | 1080 |
| ccgggtccca | gctccccctc | tacagtctta | tcccaaggc | ccccgcttca | gtgtccaggg | 1140 |
| aagtgcagtg | gcctctcac | tgtggacttt | ctcctttggc | ctcggagcat | tcagtggccc | 1200 |
| aaggatcttt | gacgttcgct | tccaaggaga | aagactagtt | tatgagataa | gcctccaaga | 1260 |
| ggccttgccc | atctatggtg | gaaattcccc | agcagcaatg | acgaccgcgt | atgtggatgg | 1320 |
| aggctttggc | atgggcaagt | acaccacgcc | cctgaccgcgt | ggggtggact | gccccactt | 1380 |
| ggccacctac | gtggactggc | acttcccttt | ggagtcccag | gcccccaaga | caatacgtga | 1440 |
| tgctttttgt | gtgtttgaac | agaaccaggg | cctccccctg | cggcgacacc | actcagatct | 1500 |
| ctactcgcac | tactttgggg | gtcttgcgga | aacggtgctg | gtcgtcagat | ctatgtccac | 1560 |
| cttgctcaac | tatgactatg | tgtgggatac | ggtcttccac | cccagtgggg | ccatagaaat | 1620 |
| acgattctat | gccacgggct | acatcagctc | ggcattcctc | tttggtgcta | ctgggaagta | 1680 |
| cgggaaccaa | gtgtcagagc | acaccctggg | cacggtccac | acccacagcg | cccacttcaa | 1740 |
| ggtggatctg | gatgtagcag | gactggagaa | ctgggtctgg | gccgaggata | tggctcttgt | 1800 |
| ccccatggct | gtgccttggg | gccctgagca | ccagctgcag | aggctgcagg | tgaccoggaa | 1860 |
| gctgctggag | acagaggagc | aagccacctt | ccccatggga | ggcgccaccc | ctcgctacct | 1920 |
| gtacctggcc | agcaaccaca | gcaacaagt | gggtcacccc | cggggctacc | gcatccaggt | 1980 |
| gcgcagcttt | tctggggagc | cactgcccc | aaacagctcc | atggagagag | gcttcagctg | 2040 |
| ggggaggtag | cagctggctg | tgacceagcg | gaaggaggag | gaacctagta | gcaccagcat | 2100 |
| ctacaatttg | aatgacctt | ggacacccac | tgtggacttc | actgacttca | tcaacaatga | 2160 |
| gaccattgct | ggaaaggact | tgggtggcctg | ggtgacagct | ggttttctgc | atatcccaca | 2220 |
| tgagaggac | attcctaaca | cagtgactgt | ggggaacagc | gtgggcttct | tcctccgacc | 2280 |
| ctacaacttc | tttgacgaag | acccctcctt | ctactctgcc | gactccatct | acttccgagg | 2340 |
| ggaccaggat | gctggggcct | gagaggtcaa | ccccctagct | tgccctgccc | aggctgctgc | 2400 |
| ctgtgcccc | gacctccctg | ccttctccca | cgggggcttc | tctcacaact | aggcggtcct | 2460 |
| gggatggggc | atgtggccaa | gggctccagg | gccaggggtgt | gagggatggg | gagcagctgg | 2520 |
| gcactggggc | ggcagcctgg | ttccctcttc | cctgtgccag | gactctcttc | cctccactgc | 2580 |
| cctccttcac | atccccctct | gagccaggag | cctcctgacc | ctgtgatgcc | tgacacaggg | 2640 |
| gacactgaac | cttggttgatg | ccagctgtac | tgagttctca | tccacagagg | ccaggcatgg | 2700 |
| cccagcctgg | agccgtggcc | gagggcttcc | ctagatgggt | ccctttgttg | ctgtctggct | 2760 |
| ttcccgaatc | tttttaggcc | acctccaagg | actctaaaag | ggggctattc | cctggagacc | 2820 |
| ccagagtagg | gttgccagtc | ctgcaagtc | atagctgagc | tggaaaggat | gcttctgtct | 2880 |
| acattccctc | tcataccagg | cctttccttc | tctcttctct | ctctctcacc | tacttctctc | 2940 |
| tcctcctcct | gttctctgct | tctcttctat | cctgcaattt | ctcccaggaa | tcctgagggg | 3000 |
| catatcccta | tgtgcccagc | ccctgggtac | tccccagac | cctcagtttt | cagttcaagt | 3060 |
| tcggtctcct | ctccagccct | atggaagtct | caaggtcacg | ggactcttaa | tcaagagtgg | 3120 |
| ccaatccctg | tgtgtcgttc | ccttgtgtct | gttgcttatt | gggagtagga | gtgtctccta | 3180 |
| ccccgtcct | ggggctgggt | gtgtttcagg | acagctgctt | ctgtgcattt | gtgtctgcct | 3240 |

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|------|
| gcctcatgct | ctctatagag | gaggatggtc | atcgtgacag | cagcagctca | agtttagcatt | 3300 |
| tcaagtgatt | tgggggtgca | atgataatga | agaatggcca | ttttgtacca | gggctctgta | 3360 |
| ttctgcaaca | gcctgttttg | gaggctggag | tggaaacaaa | gggtgggcat | caaagatgag | 3420 |
| aagccaaaagc | ccctacaact | ccagccaccc | agccaggagg | ggctgtccaa | tcacattcag | 3480 |
| gcatgcgaat | gagctgggcc | ctgggtgagg | tgggggtctg | gcctagtggg | gaggggcctg | 3540 |
| gcctgggtgg | ggcagggcct | ggcctggtec | aggcttgggc | tccattccca | tcactgctgt | 3600 |
| ccctcctgag | gtctggattg | gggatgggga | caaagaaata | gcaagagatg | agaaacaaca | 3660 |
| gaaacttttt | tctctaaagg | actggttaaa | tcaattctga | tacagcctta | caatacaata | 3720 |
| gtatgcagct | aaaaaataat | tgtatgtctt | tatatactaa | tatgtaataa | tcttcagggtg | 3780 |
| aaaaaggcaa | gccacagaaa | tgtgtatagc | gcacttccca | tttgtgtttc | agaaaggagt | 3840 |
| agaatataaa | cacataattg | cttatgtatg | cctattcaga | ataaatgggt | aacactgatt | 3900 |
| acttttgagg | ggggaaccag | taggttgagg | acaggagagg | gaagggtcct | aacacttaca | 3960 |
| cccttttgta | cattttgaat | tttgaacat | gtgactgtat | tacctattca | aaataaacia | 4020 |
| taaatgggcc | caaaaaaaaa | a | | | | 4041 |

<210> 7703

<211> 4323

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (690)...(2568)

<223> similar to gi416180 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7703

| | | | | | | |
|------------|-------------|-------------|------------|-------------|-------------|------|
| ccaacttatt | taaaacaaaa | caattttgta | ggtattatta | taccatttc | acagatgatg | 60 |
| ataaatgaga | ccaatagaag | ttaaataact | tgccaaaggc | cacacagctg | gtgagtgatg | 120 |
| gagaacgaat | taaaactcaa | gtgagcataa | ttctaaaagc | catcttctcg | ttagtgtttc | 180 |
| tcactatcca | ggtctgcctt | tgcttatttt | aactgaagtt | aagccatcct | tacctgtgat | 240 |
| cacttagcct | ctcagtttgg | ggggatcatt | acagcgggtt | tttaactccc | aatgttctgg | 300 |
| tccagtttgc | tttacatgtt | cttatttata | cattgtcaag | gatgacctca | ggacagtaca | 360 |
| gcaaggacac | agtggcactt | cacattttgt | tcccacgaaa | tgactggggc | ataatctcag | 420 |
| atcatcttcc | tttagaatgt | ggaaacatca | gcagaagaat | attagtcttt | atacaagtca | 480 |
| aatccaaaat | gacacatgtg | aaaactaata | gagctgactt | tcagccatga | tagctttggc | 540 |
| acacctcaca | tccctttgtt | caacctctct | tccctcaacg | gagagctgca | ttcctgggaa | 600 |
| tttctgttgt | gcacttttcc | cacttgccct | gctgtcattt | aaagggtgaac | attctagtgtt | 660 |
| tgctaagaaa | accctttcct | tcatttggaa | tgaacagcaa | ttttattact | tttgacctta | 720 |
| aaatgagttt | gctgccttca | aatcttttca | gcgccttcat | cacgctctgc | ttcggggcga | 780 |
| tcttcttcct | gccagactcc | tccaagctgc | tcagcggggt | cctgttccac | tccagccccg | 840 |
| ccttgacgcc | ggcgcgcgac | cacaagcccc | ggcccggggc | gcgcgcgcgag | gacgcggccg | 900 |
| aggggcgagc | ccggcgccgc | gaggaggggg | caccggggga | cccggaggcc | gccctggagg | 960 |
| acaacttggc | caggatccgc | gaaaaccacg | agcgggctct | caggggaagcc | aaggagaccc | 1020 |
| tgcagaagct | gcccagaggag | atccaaagag | acatcctact | ggagaagaag | aagggtggccc | 1080 |
| aggaccagct | gcgtgacaag | gcgccttca | gaggcctgcc | cccgttgga | ttcgtgcccc | 1140 |
| caatcggggt | ggagagccgg | gagcccgccg | acgccgccat | ccgcgagaaa | agggcaaaga | 1200 |
| tcaaagagat | gatgaaacat | gcttgggaata | attataaagg | ttatgcctgg | ggattaaatg | 1260 |
| aactcaaacc | tatatcaaaa | ggaggccatt | caagcagttt | gtttggtaac | atcaaaggag | 1320 |
| caactatagt | agatgccttg | gatacacttt | ttattatgga | aatgaaacat | gaatttgaag | 1380 |

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|-------------|------|
| aagcaaaatc | atggggttgaa | gaaaatttag | attttaatgt | gaatgctgaa | atttctgtct | 1440 |
| ttgaagtaaa | tatacgcttt | gttggtggac | tactctcagc | ctactatctg | tctggagaag | 1500 |
| agatttttctg | aaagaaagca | gtggaacttg | gggtaaaatt | gctacctgca | tttcatactc | 1560 |
| cctctggaat | accttgggca | ttgctgaata | tgaaaagtgg | tattggaagg | aactggccct | 1620 |
| gggcctctgg | aggcagcagt | attctggcag | aatttggaac | cctgcatttg | gagtttatgc | 1680 |
| acttgagcca | cttatcagga | aaccccatct | ttgctgaaaa | ggtaatgaat | attcgaacag | 1740 |
| tactgaacaa | actggaaaaa | ccacaaggcc | tttatcctaa | ctatctgaat | cccagtagtg | 1800 |
| gacagtgggg | tcaacatcat | gtatcagttg | gaggacttgg | agacagcttc | tatgagtatt | 1860 |
| tgctgaaggc | ctgggttaatg | tctgacaaga | cagatctgga | agctaagaag | atgtattttg | 1920 |
| atgctgttca | ggctatcgag | actcatttga | tccgcaagtc | tagcagcgga | ctaacttata | 1980 |
| tcgcagagt | gaaagggggc | ctcctggagc | acaagatggg | ccacctgacc | tgcttcgcgg | 2040 |
| ggggcatgtt | cgcactcggg | gctgatgcag | ctcccgaagg | catggcccaa | cactaccttg | 2100 |
| aactcggggc | tgaaattgcc | cgtacttgtc | atgaatcata | taatcgaaca | tttatgaaac | 2160 |
| tgggaccaga | agctttcaga | tttgatggtg | gtgttgaagc | catcgctaca | agacaaaatg | 2220 |
| aaaaatacta | catcttacgg | ccagaagtta | tggagactta | catgtatatg | tggagactga | 2280 |
| ctcatgatcc | aaagtacagg | aaatgggcct | gggaagccgt | agaggccttg | gaaaaccatt | 2340 |
| gcagagtga | tggaggctat | tcaggccctaa | gggatgttta | ccttcttcat | gagagttatg | 2400 |
| atgatgtgca | gcagagtttc | ttcctggcag | agacattgaa | atatttgtac | ctaataatttt | 2460 |
| ctgacgacga | tcttcttcca | ctggagcatt | ggatcttcaa | tagcgaggca | catcttctcc | 2520 |
| ctatcctccc | taaagataaa | aaggaagtgt | aaatcagaga | ggaataaaaa | gacattttat | 2580 |
| attttattct | gtccatttcc | cttcaactga | taccttaata | attccttttc | tggtaatcag | 2640 |
| gcacatgatg | aactttgatt | agtaggtctg | tgattaaagt | cttaaatgtg | tttgcagtct | 2700 |
| tttatgttta | ttatcatagg | tataggtgga | cctaaattcc | ttatcatatc | ctttattaat | 2760 |
| tcagccagt | tatccaccag | ttttttgttt | atgttttttaa | gtaacctatt | atctctggat | 2820 |
| ttcatgaagg | tgtaatatcg | tttttggttaa | actgaataga | attgtatagc | gatgacttct | 2880 |
| taattataat | ttgatttgac | tgcaaaactt | tttctctctc | taagaggaga | tgatgtctgc | 2940 |
| tttaagctgt | aatgttttgc | catgttgcaa | aaagccataa | taataagtat | aaaaaagctt | 3000 |
| tttctcttac | aatttcatgt | taatctgggt | tgtctgtcca | ccagagacag | atcttctgtg | 3060 |
| acagcctcct | tatgcaggtc | tatcattatt | tgatagaatg | tcttctaaaa | tacttcactc | 3120 |
| acattgtaat | tcaaattaga | aagtcattcc | aaaaggatca | tgtcatgttg | acctcatttc | 3180 |
| atcggaactg | cagtatattt | ttgttggtta | atttatattag | tgttttctat | tttgtaaatg | 3240 |
| tgctccttaa | ttttacttta | aatgccctgt | gtcatttctg | gattatatac | tagttaattt | 3300 |
| cttccattcc | ctactacaca | gagaggtgag | ctttcaaatt | ttgcagagct | ctgctatcac | 3360 |
| tgaattacat | ttatctgaag | aaaatagtag | aacttaatgg | attagctttt | gggttttaact | 3420 |
| gaatatatga | agaaattggg | tctgtctaaa | gagagggtat | ttcatatggc | ttttagttca | 3480 |
| cttgtttgta | tttcatcttg | atttttttct | ttggaaaata | aagcattcta | tttggttcag | 3540 |
| atttctcaga | tttgaaaaag | gctctatctc | agatgtagta | aattatttcc | tttcagtttg | 3600 |
| tgaaagcagg | atttgactct | gaaagaagct | ttgccaat | tacttattcg | tgatcaatca | 3660 |
| aggaaaatct | aataaatttt | aggccaaata | agaatatagc | atatttagta | tggttatagt | 3720 |
| caacacagag | atcacaactt | agaagaaata | taaagaaatg | gccactcccc | atccccaca | 3780 |
| gtcctggagt | aaatcaaat | caatatatga | ttctttttaa | cattaagt | gaaataggaa | 3840 |
| tggttttctc | aagaatagat | ttggtgtgat | accttggtgt | tgcttacatt | ggccactat | 3900 |
| atatacatat | atatttatgt | agatataact | ccatgaaagg | gctaatacga | tgcatatact | 3960 |
| gaagggcaag | gactttgacc | atgtgaattt | tcagccgaga | atggtcagaa | agatcagtag | 4020 |
| aaccccatgg | attaggctga | aacatatgaa | attgctgcat | ttgtagttta | aaaactgtca | 4080 |
| gcagtttcat | atggttccac | ctaataattat | tgaagacaat | tattttctta | gctatcaata | 4140 |
| ggcttaatag | ttttagttat | tttagctttt | gaaagtgttt | taaaagattt | cctttatcgg | 4200 |
| acaggaccat | ctttatgacc | tgctttctgt | ttttcaatat | catacattgg | tgtatgtcaa | 4260 |
| agaataaatt | agtaaaatta | gtaaatgaaa | aagactcttc | cgtacatcat | tatttccatg | 4320 |
| cta | | | | | | 4323 |

<210> 7704

<211> 1464

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (288)...(1347)
<223> similar to gi24479 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7704
actagttcta gatcgcgagc ggccgctcgc gatctataat gcctcttctg aagcagccat      60
cccggcctct tggtagtgct gaccccagcc aggctacagg gatcgattgg agctgtcctt      120
ggggctgtaa ttggccccag ctgagcaggg caaacactga ggtcaactac aagccacagg      180
ccccttcccc agcctcagtt cacagctgcc ctggtgcagg gaggcggtgg cccttctgtt      240
gctagaccga gcctgtggga tataccaagg cagaggagcc catagccatg aggagcctcg      300
gggcccctgct cttgctgctg agcgcctgcc tggcggtgag cgctggccct gtgccaacgc      360
cgcccgacaa catccaagtg caggaaaact tcaatatctc tcggatctat gggaaagtgg      420
acaacctggc catcggttcc acctgcccct ggctgaagaa gatcatggac aggatgacag      480
tgagcacgct ggtgctggga gagggcgcta cagaggcgga gatcagcatg accgacctc      540
gttggcggaa aggtgtctgt gaggagacgt ctggagctta tgagaaaaca gatactgatg      600
ggaagtttct ctatcacaaa tccaaatgga acataaccat ggagtcctat gtggtccaca      660
ccaactatga tgagtatgcc attttcctga ccaagaaatt cagccgccat catggacca      720
ccattactgc caagctctac gggcggggcg cgagctgag ggaaactctc ctgcaggact      780
tcagagtggg tgcccagggt gtgggcatcc ctgaggactc catcttcacc atggctgacc      840
gaggtgaatg tgtccctggg gagcaggaac cagagcccat cttaatcccg agagtccgga      900
gggctgtgct accccaagaa gaggaaggat caggggggtg gcaactggta actgaagtca      960
ccaagaaaga agattcctgc cagctgggct actcggccgg tccctgcatg ggaatgacca     1020
gcaggatatt ctataatggt acatccatgg cctgtgagac tttccagtac ggcggtgca      1080
tgggcaacgg taacaacttc gtcacagaaa aggagtgtct gcagacctgc cgaactgtgg      1140
cggcctgcaa tctccccata gtccggggcc cctgccgagc cttcatccag ctctgggcat      1200
ttgatgctgt caaggggaag tgcgtcctct tcccctacgg gggctgccag ggcaacggga      1260
acaagttcta ctcagagaag gagtgcagag agtactgcgg tgtccctggt gatggtgatg      1320
aggagctgct gcgcttctcc aactgacaac tggccggtct gcaagtcaga ggatggccag      1380
tgtctgtccc ggggtcctgt ggcaggcagc gccaaagcaac ctgggtccaa ataaaaacta      1440
aattgtaaac tcctaaaaaa aaaa                                1464

```

```

<210> 7705
<211> 1029
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1030)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (949)...(214)
<223> similar to gi4894854 in the genepept database release 114,

```

Run with FASTXY 3.3t00, default parameters

```
<400> 7705
tttttttttt ttagcagaca cagacacaga tgtttattcc aggaagaggt ctaagaaacg      60
agcttcttag agcatgtgtc acggggcagc cagtcctggg gctctcagag ccagccccct    120
cccttcagca gctgaagcaa tagcgcccc attttacagg cggagcatgg aagccagaga    180
ggtgggtggg ggaggggggtc cttccctggc tcaggcagat ggggaagatga ggaagccgct    240
gaagacgctg tcggcctcag agccctggta aatgtgaccc tttttggggg ctttttcaac    300
ccagacctgg tcacctgct gcagctgaag caccatgccc cctgacacca cctggaagag    360
ccccttggtg gtggtgtcac agaagcccag ggagcgctcg acctggcccc ttgaggagga    420
gacgatggac aggcagattt cccactggga cagcacctgg aaggtgaagt agtagtagcc    480
gggtacagtg cagacgaatc ggccggagtg gttctgttac ggttcttcct ggttggtgat    540
gaccgtgtcg aagatgacca cggtgcccc cattgggggg ttccgccgaa tggcggagaa    600
ggctggcctc ggctggctct tgatgtttcc tgggctgccc ttggtgcctt taattcccgg    660
gatgccacgg gccccgaggg ggccgctggg ccctgggtag cccaccttgc cggggtttcc    720
agagggccca ggttccccct ggtctccttt aaggccttgg atgcctgtcc ggatgccagg    780
ggccccgggc tccccctgct cccccttgag gcctggccgc ccccgctctgc caggctcttc    840
tgcctcccc tttctcccg ctggtgctcg gcacaagtcc tcggtcacca tagaggccag    900
cgatatggcc agcacacaga gcaccagcca tccccgggga ccctccatga tgcctctgcc    960
tcctgttgtc gactgccgct gcatgcgaat tcgacctcac aggactaggg gtctcgaant   1020
tttttttct                                     1029
```

<210> 7706

<211> 2178

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (136)...(574)

<223> similar to gi2662291 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 7706
attggctggt gctaggaacc gtctcaaggc cttatgggcc ctggttacgg aagccgagga      60
aggctgagcg cgggctctca aggaaagtag tcgcggaatc tcagttagcg gtggagaggg    120
agtatgtccg gttcaatggc gactgcggaa gctagcggca gcgatgggaa agggcaggaa    180
gtcgagacct cagtcaccta ttaccgggtg gaggaggtgg caaagcgcaa ctccttgaag    240
gaactgtggc ttgtgatcca tgggcgagtc tacgatgtca cccgcttcct caacgagcac    300
cctggaggag aagaggttct gctggaacaa gctggtgtag atgcaagtga aagctttgaa    360
gatgtaggac actcttctga tgccagagaa atgctaaagc agtactacat tgggtgatatc    420
catccgagtg accttaaacc tgaaagtggg agcaaggacc cttcaaaaaa tgatacatgc    480
aaaagtgtct gggcatattg gattttaccc atcataggcg ctgttctctt aggtttcctg    540
taccgtact acacatcgga aagcaaatcc tcctgaggag gccttgctga agttagaaag    600
tgcatccact ttggggcgaa aactagagac ttgcttgggg gctgcagaag tgccctctcc    660
tcgaatcctg ccagttgcat tcttccccct tggagccaag acgattggcc agacatcacc    720
tcagatctga gaccagcgtc ttccatctct cagagcctta ctcccaaagt acctgctcac    780
```

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| tggtccgtgt | tgaacaattg | ccggtgtttc | ctctcttcac | tggtttccat | gagtaccctt | 840 |
| atatttcaca | actttctggt | cataagttat | agtgacattg | ctctttggta | aaaatgcctg | 900 |
| ctttccaata | ctttgattgc | atattagaca | ttcttaacag | ggcggcagtc | tagtggtgaa | 960 |
| agttttat | ttccattttt | cttttaagta | aatttttttt | aaaaaattct | gatttagggc | 1020 |
| taggtgtggt | ggctcaggcc | tgtaatcctg | gcactttggg | aggccaaggt | gggaagatcg | 1080 |
| cttgaggcca | agagttcaag | accagcctgg | gcaacatagc | gagacccta | tctgtattaa | 1140 |
| aaaaaaatct | gatttaattc | ttttatttat | cataaggggt | ttaattcctg | aagtaaaggt | 1200 |
| ttgcacctat | taaacttaaa | actgccaaat | gatttttggt | cttttatgtg | cgtgataaaa | 1260 |
| atacaaagaa | tggtgtggcc | acctcctccc | tttcaagcta | gggcagcagg | tagctcttcc | 1320 |
| cagcccctga | gccagcccc | ttcccaagt | gtgccggaca | aaaaactaca | tggccctttc | 1380 |
| gtgtcttggg | ggtggaaagg | gagggatgaa | ttgggtgat | agaaccctgg | tgaattcaga | 1440 |
| gtaatctttc | tttagaaaac | tggtgttttc | taaagaaaca | ggataggagt | ttagagaagg | 1500 |
| caccaaagct | ttcactttgg | tttggcacca | gtttctaacc | atctgttttt | tctaccctag | 1560 |
| ctatctttta | ttggtaaaat | ataaatgtat | aattatgttt | gtagagcttt | accaaggagt | 1620 |
| ttccctcctt | ttttgtttgt | tgattagcaa | atttttgatt | ctccattttc | caaaagtaag | 1680 |
| agactccagc | atggccttct | gtttgccccg | cagtaaagta | acttccatat | aaaatgggat | 1740 |
| ttgaaagtga | gagttcatga | caacagaccg | ttttccattt | catctgtatt | ttatctccgt | 1800 |
| gactccaact | tgtgggtttg | ttctgttttt | ccatgagaat | aaaatactgg | cggttttttt | 1860 |
| ctcagatgtg | tgttcattga | gaagtagggt | actagaatta | tgttactgtg | tcttattggt | 1920 |
| tcaatgatga | tttctctggc | atattagact | tttttttttt | cccccatgga | agcacttgag | 1980 |
| gaaataaata | gtacactggc | tgttttctgc | cagcaactgt | ggtgattttt | ctccctgtcc | 2040 |
| tttgagaatt | gctagtctgc | ttctgagcca | ttgtcatatc | cagcagggag | cagcttggtt | 2100 |
| caagaaggac | catagaggct | gctcagcatc | tcctccctcc | ctcccagctt | gccagggatt | 2160 |
| tgatgagaca | ggaaactg | | | | | 2178 |

<210> 7707

<211> 791

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (107)...(547)

<223> similar to gi4321151 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7707

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-----|
| gcggccgctg | cggccatggg | tgctgtcgct | gggctccatg | gtgggcctca | tgacctacgg | 60 |
| gcggcgccaa | ttccagtccc | tggaacagac | gatgcggcgc | ctgatccgcg | ccttccgcga | 120 |
| ggcttcggcc | aagctaacca | cgctggtgga | tgccgacgcc | gaggccttca | ccgcctacct | 180 |
| ggaagcaatg | aggctcccca | agaacacacc | tgaggaaaag | gacaggcgca | cggcgggcct | 240 |
| acaggagggt | ctgaggcggg | cagtctctgt | gccgctgacg | ctggcggaga | cgggtggcctc | 300 |
| gctgtggccg | gccctgcagg | aactggcccc | gtgtgggaac | ctggcctgcc | ggtcagacct | 360 |
| ccagggtggc | gccaaagccc | tggagatggg | tgtgtttggc | gcatatttca | acgtgctcat | 420 |
| caacctgagg | gacatcacag | acgaggcatt | taaggaccag | atccaccatc | gtgtttccag | 480 |
| cctcctgcag | gaagccaaga | cccaggctgc | actggtgctg | gactgcttgg | agaccgggca | 540 |
| ggagtgcga | aaccccagg | acagcaggac | cttcgacgct | ggaaggatag | cctcgcttcc | 600 |
| caggtgcagc | tcccggcagg | tctggacagt | tccacagagc | acggtactgg | ccctgtcctc | 660 |
| agttcccgtc | cacccttcaa | ccagtggctc | ctgggagact | tttctcctcc | gcctcagctc | 720 |
| cctgcccagc | cagcctcctg | tctccagaga | agttctccat | taaaaaataa | tttagcaaat | 780 |

caaaaaaaaaa a

791

<210> 7708
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (86)...(544)
<223> similar to gi4929739 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7708
gcgcccacgc gtgcggcccc tgccactggg ccatggagac tgtggcacag tagactgtag 60
tgtgaggctc gcggggggcag tggccatgga ggccgtgctg aacgagctgg tgtctgtgga 120
ggacctgctg aagtttgaaa agaaatttca gtctgagaag gcagcaggct cgggtgtccaa 180
gagcacgcag tttgagtacg cctgggtgct ggtgctggagc aagtacaatg atgacatccg 240
taaaggcatc gtgctgctcg aggagctgct gcccacaggc agcaaggagg aacagcggga 300
ttacgtcttc tacctggccg tggggaacta ccggctcaag gaatacgaga aggccttaaa 360
gtacgtccgc gggttgctgc agacagagcc ccagaacaac caggccaagg aactggagcg 420
gctcattgac aaggccatga agaaagatgg actcgtgggc atggccatcg tgggaggcat 480
ggccctgggt gtggcgggac tggccggact catcggaact gctgtgtcca agtccaaatc 540
ctgaaggaga cgcgggagcc cacggagaac gctccaggag ggccgtgtcca tcctcgtgtg 600
cctttccctg ttctccccct gccccccgtc tctatcctct gtggccttca gctaatttct 660
gctccctga gattcgtcct tcagcccat catgtgcttt gggatgagtg taaataaaac 720
ggggctgtgg cttgggaaaa aaaaaa 746

<210> 7709
<211> 1304
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (131)...(1090)
<223> similar to gi57225 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7709
cgagtgtggc ggaattcgct ggttccctgg caggctggag ggcaggagct ggggccacgc 60
tggctgtgga tagttgggca gggaggctgt ctacctggtc tccagaatgg acggccctgt 120
ggcagagcat gccaaagcagg agccctttca cgtggtcaca cctctgttgg agagctgggc 180

| | | | | | | |
|------------|------------|-------------|-------------|------------|-------------|------|
| gctgtcccag | gtggcgggca | tgcctgtctt | cctcaagtgt | gagaatgtgc | agcccagcgg | 240 |
| ctccttcaag | attcggggca | ttgggcattt | ctgccaggag | atggccaaga | agggatgcag | 300 |
| acacctggtg | tgtcctcag | ggggtaatgc | gggcatcgct | gctgcctatg | ctgctaggaa | 360 |
| gctgggcatt | cctgccacca | tctgtctccc | cgagagcacc | tccctgcagg | tggtgcagag | 420 |
| gctgcagggg | gagggggccg | aggttcagct | gactggaaag | gtctgggacg | aggccaatct | 480 |
| gagggcgcaa | gagttggcca | agagggacgg | ctggggagaat | gtccccccgt | ttgaccaccc | 540 |
| cctaataatg | aaaggccacg | ccagcctggg | gcaggagctg | aaagcagtgc | tgaggacccc | 600 |
| accaggtgcc | ctgggtgctg | cagttggggg | tgggggtctc | ctggccgggg | tggtggctgg | 660 |
| cctgctggag | gtgggctggc | agcatgtacc | catcattgcc | atggagaccc | atggggcaca | 720 |
| ctgcttcaat | gcggccatca | cagccggcaa | gctggtcaca | cttccagaca | tcaccagtgt | 780 |
| ggccaagagc | ctgggtgcca | agacggtggc | cgctcggggc | ctggagtgc | tgaggtgtg | 840 |
| caagattcac | tctgaagtgg | tggaggacac | cgaggctgtg | agcgctgtgc | agcagctcct | 900 |
| ggatgatgag | cgtatgctgg | tggagcctgc | ctgtggggca | gccttagcag | ccatctactc | 960 |
| aggcctcctg | cggaggtccc | aggccgaggg | ctgcctgccc | ccttccctga | cttcagttgt | 1020 |
| ggtaatcg | tgtggaggca | acaacatcaa | cagccgagag | ctgcaggctt | tgaaaaccca | 1080 |
| cctgggccag | gtctgagggg | tcccacctcg | gccccaaaga | cccctgagag | gcccattggac | 1140 |
| agtccgtgtg | ctggatgagg | aggactcagt | gctggcagat | ggcagtggaa | gctgccctgt | 1200 |
| gcaactgtgc | tggctgcctc | ctgaagggaag | ccctcctgga | ctgcttcttt | tggtctctcg | 1260 |
| acaactccgg | ccaataaaca | ctttctgaat | tgagaaaaaa | aaaa | | 1304 |

<210> 7710

<211> 1640

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1641)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1409)...(690)

<223> similar to gi5353746 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7710

| | | | | | | |
|-------------|-------------|------------|------------|-------------|------------|-----|
| tttttttttt | ttgccagtgc | agaaacgttt | aatagaaata | aaaaggtctg | catagagccg | 60 |
| aggctcggag | ccacccctct | gccgcacatc | cagtacagag | aggattctat | aaagttcaca | 120 |
| ctttttcatt | aagtagtagt | agaaatacgg | tgaggccctg | agactggcct | ggtgagcgag | 180 |
| gaaaggccgc | tgggcgcttc | cactctgcag | gccggggctg | aaataacccg | agttccgttc | 240 |
| tcacagaaag | gtgcggctgc | cacctcttga | cacagaggcc | ggatgggcag | gtgtcctcga | 300 |
| tggccaggcc | gtatcagggt | acaaccgcag | cagtgcagg | ggcttcctca | aggacaaatg | 360 |
| gctaaaaaatg | tcacggtgaa | aatgtcatcc | ccaaagagtt | cgtttctcct | agaccctgtg | 420 |
| gggcaaccca | gccttcaccg | tgacactggc | catctgcaaa | gtgccaaactg | ttcttcacgc | 480 |
| agcacgtgat | tacgtcactt | tcttcctttt | tgtgcgtttt | gtgcagcccc | tgccaaacca | 540 |
| gccccctagg | atggggggccg | agctaagcgg | tgcaccccg | tccccaggcg | gggcctcctc | 600 |
| tctgcttctg | cacagcgact | tccgactgtg | gctgccttct | tcaccagcac | gcaggggagt | 660 |
| cgccagtgag | aaaatgggat | cctgccacct | gctataggcg | gggatctcca | agcccagctc | 720 |
| ggccatgagg | agccgcacga | cgtcatcaca | cttcccatgt | agcttcaggg | cagcccagtc | 780 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|------|
| atccttcggg | gtccactgca | ggttcacgat | gtaaagcttc | ggccgccggc | taggggggctt | 840 |
| ggcatgcac | cagaggcgtg | ggtacttctt | tagaaccttc | aggctggacc | ctagacacag | 900 |
| gatggtgtct | gctctgctgg | cagcctcggg | cgccgcttcc | cagttcagag | gctgccccaa | 960 |
| cgccccctc | tccccaaagt | gcacaatggg | gtcccgccgc | tgggtccac | acttgtggca | 1020 |
| ggtcggcct | gtctggtgtc | tgtggagggc | agtgcgtcc | gtcacatcga | acaccgcac | 1080 |
| gtactccctg | ttgggaacgc | aggaggtaca | gacttcaatg | tacatgttcc | cgtggagctc | 1140 |
| ggagatggcc | gtgcgcggca | gcccactcct | caggtggagc | ccgtcacagt | tctgagacac | 1200 |
| cacatgctgc | accagcttct | gctcatgcag | acgggtgatg | ctcatgtggg | tgagggttgg | 1260 |
| ctcggcctcg | ctcaggtcgg | cagcactaac | gcttctccct | ttctgaagca | gtgtccacac | 1320 |
| tccattaggg | ccccggtagt | ctgggataga | cgctgcttgg | agcgcagcgc | gtcgagctcc | 1380 |
| agcttcatgc | tggcgttctc | tgaggccagc | ttctccacct | cctgctgcag | ctccgccttc | 1440 |
| tgcttctcca | gctcctcctt | ctgcgtcacc | cgcttcacgc | ggcagctggc | agcgtacccg | 1500 |
| cggttcttga | gcgtgcgccg | gcgctgcttc | agctgaacga | actcctcctt | gaacaggccc | 1560 |
| cgcaggtgct | ggttcagctc | ccgcaccgac | atggtcagaa | tccnccgen | ctgtcctagt | 1620 |
| gtcgtcgata | ggaccaccct | | | | | 1640 |

<210> 7711

<211> 1840

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (12)...(1201)

<223> similar to gi555594 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7711

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| tttcgtggag | catggcgtgg | agacacctga | aaaagcgggc | ccaggatgct | gtgatcatcc | 60 |
| tggggggagg | aggacttctc | ttcgccctct | acctgatggc | cacgggagat | gagcgtttct | 120 |
| atgctgaaca | cctgatgccg | actctgcagg | ggctgtctga | cccggagtca | gcccacagac | 180 |
| tggctgttcg | cttcacctcc | ctggggctcc | ttccacgggc | cagatttcaa | gactctgaca | 240 |
| tgctggaagt | gagagtctct | ggccataaat | tccgaaatcc | agtaggaatt | gctgcaggat | 300 |
| ttgacaagca | tggggaagcc | gtggacggac | tttataagat | gggctttggg | tttgttgaga | 360 |
| taggaagtgt | gactccaaaa | cctcaggaag | gaaaccctag | acccagagtc | ttccgcctcc | 420 |
| ctgaggacca | agctgtcatt | aacaggtatg | gatttaacag | tcacgggctt | tcagtgggtg | 480 |
| aacacagggt | acgggccaga | cagcagaagc | aggccaagct | cacagaagat | ggactgcctc | 540 |
| tgggggtcaa | cttggggaag | aacaagacct | cagtggacgc | cgcgaggagc | tacgcagaag | 600 |
| gggtgcgcgt | actgggcccc | ctggccgact | acctggtggg | gaatgtgtcc | agccccaa | 660 |
| ctgccgggct | gcggagcctt | cagggaaagg | ccgagctgcg | ccgcctgctg | accaaggtgc | 720 |
| tgcaggagag | ggatggcttg | cggagagtgc | acaggccggc | agtcctggtg | aagatcgctc | 780 |
| ctgacctcac | cagccaggat | aaggaggaca | ttgccagtgt | ggtcaaagag | ttgggcatcg | 840 |
| atgggctgat | tgttacgaac | accaccgtga | gtcgccctgc | gggcctccag | ggtgccctgc | 900 |
| gctctgaaac | aggagggctg | agtgggaagc | ccctccggga | tttatcaact | caaaccattc | 960 |
| gggagatgta | tgcactcacc | caaggccgag | ttcccataat | tggggttggg | ggtgtgagca | 1020 |
| gcgggcagga | cgcgctggag | aagatccggg | caggggcctc | cctggtgcag | ctgtacacgg | 1080 |
| ccctcacctt | ctgggggcca | ccggttgtgg | gcaaagtcaa | gcgggaactg | gaggcccttc | 1140 |
| tgaaagagca | gggctttggc | ggagtcacag | atgccattgg | agcagatcat | cggaggtgag | 1200 |
| gacagcgtct | gacgggaagc | ctgatctgga | accttcccaa | ggactcaggc | aagcctttgt | 1260 |
| ggctggatca | tgagaggagg | gactccatct | tgagccatgt | ccccagcca | tggcatggct | 1320 |

| | | | | | | |
|-------------|------------|------------|------------|--------------|------------|------|
| gcactgtaaa | cgccaatcgg | ggggtcacca | ggatcaaccg | caggctttct | tcagtccctt | 1380 |
| ggtcagacca | taaactgcat | ttttgattct | ttgtggattc | aaaccctagg | atccatcagt | 1440 |
| cttgcaagga | cattgaatat | taggaggaaa | aagtcatgga | aaaaataaag | ccatttagaa | 1500 |
| cctgggtttc | aacgctagcc | ctttctggtt | tgccataggc | cctgccaaga | tactgcaggt | 1560 |
| ccatccaggc | ctctgctatc | tgcatctgca | gtgggcttcc | caggaacttg | actgtctttc | 1620 |
| at ttgatctt | tatttttttt | tatttaatat | tttaaacttt | at ttttaaaaa | tatttcaaac | 1680 |
| ataagggcgg | ggtgtggtgg | ctcatgcctg | taatcccagc | actttgggag | gccgaggcgg | 1740 |
| gcggatcacc | tgaggccagg | agttggagac | catccaggcc | accatggtga | ggccctgtct | 1800 |
| ctaccaaaaa | tacaaaaaat | tagccagata | ttgtggcagg | | | 1840 |

<210> 7712

<211> 2320

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (62)...(1539)

<223> similar to gi3319953 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7712

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|------|
| ggtggcgctg | gcggttgctg | tcagctgatt | cccgggggtg | gtggcagcgg | cggtagcagc | 60 |
| aatggacttt | ctcctgggga | acccgttcag | ctctccagtg | ggacagcgca | tcgagaaagc | 120 |
| cacagatggc | tccctgcaga | gcgaggactg | ggccctcaac | atggagatct | gcgacatcat | 180 |
| caacgagacg | gaggaaggtc | ccaaagatgc | cctccgagca | gtaaagaaga | gaatcgtggg | 240 |
| gaataagaac | ttccacgagg | tgatgctggc | tctcacagtc | ttagaaacct | gtgtcaagaa | 300 |
| ctgcgggcac | cgcttccacg | tgctgggtgg | cagccaggac | ttcgtggaga | gtgtgctggt | 360 |
| gaggaccatc | ctgcccaga | acaaccaccc | caccatcgtg | catgacaaag | tgctcaacct | 420 |
| catccagtc | tggtgctgac | cgttccgcag | ctcgcccgat | ctgacaggtg | tggtcaccat | 480 |
| ctatgaggac | ctgcggagga | aaggcctgga | gttccccatg | actgacctgg | acatgctgtc | 540 |
| acccatccac | acaccccaga | ggaccgtggt | caactcagag | acacaatcag | gacaggattc | 600 |
| tgtgggcact | gactccagcc | agcaagagga | ctctggccag | catgctgccc | ctctgcccgc | 660 |
| cccgccata | ctctccggtg | acacgcccac | agcaccaacc | ccggaacaga | ttgggaagct | 720 |
| gcgcagtgag | ctggagatgg | tgagtgggaa | cgtgagggtg | atgtcggaga | tgctgacgga | 780 |
| gctggtgccc | acccaggccg | agcccgcaga | cctggagctg | ctgcaggagc | tcaaccgcac | 840 |
| gtgccgagcc | atgcagcagc | gggtcctgga | gctcatccct | cagatcgcca | atgagcagct | 900 |
| gacagaggag | ctgctcatcg | tcaatgacaa | tctcaacaat | gtgttctctg | gccatgaacg | 960 |
| gtttgaacgg | ttccgaacag | gccagaccac | caaggcccca | agtgaggccg | agccggcagc | 1020 |
| tgacctgac | gacatggggc | ctgacccagc | agccaccggc | aacctctcat | cccagctggc | 1080 |
| aggaatgaac | ctgggtctca | gcagtgtgag | agctggcctg | cagtctcttg | aggcctcttg | 1140 |
| tcgactggaa | gatgagtttg | acatgtttgc | gctgacacgg | ggcagctcac | tggctgacca | 1200 |
| acggaaagag | gtaaaatacg | aagcccccca | agcaacagac | ggcctggctg | gagccctgga | 1260 |
| cgcccggcag | cagagcactg | gcgcgatccc | agtcacccag | gcctgcctca | tggaggacat | 1320 |
| cgagcagtg | ctgtccactg | acgtgggtaa | tgatgcggaa | gagcctaagg | gggtcaccag | 1380 |
| cgaagaattt | gacaaattcc | tggagaagac | ggccaaagcc | gcggaccgat | tgcccaacct | 1440 |
| ctccagcccc | tcagctgagg | gccccccggg | tccccatct | ggcccagcgc | cccgggaagaa | 1500 |
| gaccagggag | aaagatgatg | acatgctggt | tgccttatga | gtgtggggtc | tggcaccctg | 1560 |
| cagcccaggt | ccccactgct | ctcacacctt | taggtggtga | cctccctccc | tcctctggtg | 1620 |
| ttaaggctgc | tttgggggtg | gcttggttacc | cccttttctt | cctctttgaa | gacggagctg | 1680 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|------|
| ccccagctgt | ggctgggggt | gtggaggcag | tgggatgaac | tgggggacag | gtctgcgctg | 1740 |
| cagtgggagc | tggctgctct | gcctcctttc | ccaccccagc | tgaccatgag | acttttgctga | 1800 |
| gaagtggagg | ccccaggaca | ggctggctgg | ctggctggct | gcttgacca | gtgtgactct | 1860 |
| ccttcactga | gtgataccct | gctccggggc | catgccccaa | ggagcccttc | agagcccaca | 1920 |
| ctgccagtcg | aggcctggct | ggaggctggc | cacagtggaa | attctgccga | gcctcttgct | 1980 |
| ccttcctctg | tctgctgcat | ggggccccc | ggctttggct | ggccactgag | ggtaggggtg | 2040 |
| ggagggtgtg | aggccccctg | aggagctgcg | gcggcccagg | tacgaagctg | caactctgcg | 2100 |
| cgcagtgggc | gagatctcat | cagccccagg | ctgcaggtga | ggcttcaggg | gatgctgggg | 2160 |
| ccccactgcc | cctccgctgc | cttgccctcc | atccttcctc | tgctccttct | ggccgggcac | 2220 |
| cacagcactg | gggctcacct | cttggttgat | cctcttgtag | tgggagaggt | gccttttgta | 2280 |
| tccccgaatt | aaaggtagaa | aaccaaacac | aaaaaaaaaa | | | 2320 |

<210> 7713

<211> 1589

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1526)...(231)

<223> similar to gi3025445 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7713

| | | | | | | |
|------------|-------------|------------|------------|-------------|-------------|------|
| tttttttttt | ttggcttttc | atcctctttt | gttaaaaaca | gactagcacc | actgtgacgc | 60 |
| gtgccacgag | acaccaagac | ggcccagtc | cagaggaaaa | acccgaacac | gacacagaac | 120 |
| tgaggagagt | ccaggcctgg | gctgggtggg | gccacacccg | cgggcccttg | ttgctgggag | 180 |
| gcatggggct | caggcctggg | cgccctgggc | cgggggtctc | gggcctcact | tggccggccg | 240 |
| cgtgatgaag | cgcgtggaga | agtcgaacag | gtcccgattg | atcttgcgca | ggttgcgcac | 300 |
| ctcgctcctc | agctccgtca | cacggacgcg | cagctggctc | tggccggccga | gcacgctctt | 360 |
| ctccatggtg | ctgcacagga | cggcctgcag | ctgctccgtg | cggctccagg | agctgggctc | 420 |
| cgagccctgc | tgggtggagg | ccaggcgcag | agtgaaggcc | ccgtggcgcg | gctcgcccc | 480 |
| gtgctcggcg | cccagcaggt | gcttggtgaa | gtggggcagc | ggcaggctgg | gcctgaagtc | 540 |
| tgagctcagc | atgctgacgg | gcgccagcag | gatggcgcca | ttggtgactg | ggcctttgag | 600 |
| ggccaccgtc | cggatgcact | gcttgctctg | cacgtcccag | aggcgcacgg | tctcgctcgt | 660 |
| ggagcctgag | agcagcacgc | tgcctcagtc | ggacactgac | aggcaagtca | cctggttcct | 720 |
| gtgccctttg | aagaccttcc | cggcgtcctg | ctctgggtgg | aagctcctct | ccctctgtcc | 780 |
| gggccagggt | aagaggtcga | cctggaagat | ggagccctca | ctgcccccg | agaacatatg | 840 |
| gtgctcagcc | aggctccatg | tactgccc | gatggacacg | tcaaagagga | cggagagcag | 900 |
| cagctcccc | gaggagacct | cccatagctt | caccgtctgg | tccagtgagg | aggtggccac | 960 |
| ccggggcagg | gggcccccaa | agccgcagtg | caggtccgtg | atggggagcg | cgtgggtgaga | 1020 |
| ccagacgtgc | ctgggcgcgg | gaatcctgga | ggggctggcc | tgcagcacgc | tgcagaggct | 1080 |
| ccaaaccagc | accaggcagtc | ccttgcccc | tgagatgaag | tggctgctgt | cccctgtgaa | 1140 |
| ctgaaggcag | gagacgtcct | ggtagtgtcg | actcaggatg | accagaaggt | tcccgggtgga | 1200 |
| gacctccac | aggtggatgc | tttctgcaac | tcctgccagg | acgtagagac | cattgggtga | 1260 |
| tgcagtcaga | caggtgacag | gcccggggca | catgatcttc | tgctggagct | ggtccttccg | 1320 |
| ctggagctcc | caggcgtgta | tgtaattctt | gcccagctgc | gccgccagca | gatactcgcc | 1380 |
| attgagcagc | gccaggccgc | ggggctccgc | ctggccgcgg | cggtaggtga | gcaggttggc | 1440 |
| gcccagtgta | agttcccaca | cgatgcagct | ccacatcggg | gccgccaggt | ccgtacacac | 1500 |
| ggccacatac | atgggcgcgg | ccccgcgcgg | tccgcggacg | cgtgggcgga | cgggtgggtc | 1560 |

<210> 7714
 <211> 8029
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (5186)...(7695)
 <223> similar to gi388765 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7714
 tttttttttt ttacagggag aggaaattct gttaattcca cgtttattaa tcacacagct 60
 ctctgcagac tagacactaa aacacacaaat tgtcaaaaac tagaaaaatg agttatgtcc 120
 acgtttttaa agcaaaactt tataaatttc ttaccacact cattcccaag ttttatccca 180
 caaagtatag catgaaacaa tgacaacata catattattc aagtaaaatg ctatttaaaa 240
 tagctgcaca caggttaatta aaacactagg atccagtttt tagaggaaaa agtcatgtgg 300
 cacaatttca agttcataat tgaagttaac agtaaaacag atttgtcac atttgcttct 360
 gatctttatt tctgtgtct ctcttttagta gaataaagaa atggcacttc acataaaatc 420
 atatttaaaa gctactaaaa tggataaaca gatgcagatc agctctttaa tgagaatccc 480
 tgcatagctg gaggaagttc aaggataatt gttttttcaa ggcaaataga ctcttggtac 540
 gtggctaatt tcatgtacat tatcatcgct gggaagttcc tgctgagaac tcacggtagc 600
 tatgccagaa aagtactttc ttacagggag gtgttgaaat aatgccgat aaatgcaagt 660
 aagggtcaata tctccctctt ggtctagatc aggagctggc aaactttttc ttttaaggaga 720
 caagtagtaa atcttttagg ctttgaggc tatactgtcc ctgtcccaac tattcaactc 780
 tgccaagaaa gcagtcccag acaataccat aaatgaatgg gtgtggctat gctctaataa 840
 cattttgttt atggacactg aaatctgaat ttcatagaat tttcaggtgt catgaaatat 900
 tgttcttctt ttgattttct gcccaatcat ttgaaaacat ataaaccatt cttagctcac 960
 aggttgata aaaacaggtg gcaggccagg tttgattcgt gggccatagt ttgccaaccc 1020
 ctgatctaatt ggtccttttc tagtccatgt tgtaaaatgt atatatTTTT aaaatcccgt 1080
 tacataatggc tactttattt aaaaaacaac aaaaacgttc agttaaaaaat aattctcttt 1140
 cttcccacaa ccaagggcca ttttactaaa caataagcta tttcctttaa ttagaaaatt 1200
 gatcaaggat atacaatgag tctctggcct caatttatga acccatgagc caaatatgca 1260
 agaagactca aaatttgcca cccagccaaa gaatctactg gcttacaatg ttaaaaattt 1320
 atttggaagt attcctgcac acatctcagc atcggtaatc cagagttata aaaaataatg 1380
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| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| gatttgcac | tgtttaagat | tacggagtct | ttctttcaaa | gtgagaggca | acgccgggtca | 2220 |
| tagcggcctt | tgttttttgt | gcgttatattg | aatgatgagc | tgtaaaaact | ctcattagat | 2280 |
| aaaagggtgcc | tgaaattcaa | gggctcatgc | ctcttctaca | aaagtgggtg | gcaattacag | 2340 |
| aaattctttc | ccttttgggt | tgactgtggt | gaaagtactt | ttgctctttt | ggaggtgagg | 2400 |
| gagcagcacc | acaccaggac | agaaagaaca | ggctcagggtg | acagccactt | actcaggctc | 2460 |
| aggctcgggtg | gcaagtgggc | actggcctcc | tcccatcttg | gcaaagccac | tgacagtagg | 2520 |
| caaggaaggg | ctgggcgggtg | ctgctcgtaa | caatggctct | tgtatgtcct | tagaattttc | 2580 |
| atTTTTTgt | gaagtgcctt | tactttctct | ctggctcaca | gtatcgcaag | gagctaagta | 2640 |
| aggcctgtat | ggaatctcca | ctgtatccat | gggatgggag | gtgctgaaca | cacgcccagg | 2700 |
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| agctgcttct | gctattcttt | gctttacact | tcagctcatt | tactcaagga | aatgaaatga | 2820 |
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| tgggcccattg | ttctgtagcg | acatggggga | tgggtgtgcc | actgccagg | cagtgatcaa | 3180 |
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| acctattagt | ttatttaaaa | taatggatgg | catgtacct | tatatgtaga | taagtctcct | 3480 |
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| tccagatact | catcaatgcc | atacttggac | ccctctcgcc | caaggccgga | ctgcttcaact | 3600 |
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| tccagctgct | ctgccactct | ccagatctgg | gctgggtctt | gagagtaaaa | ataacctgct | 3720 |
| aacccaacat | cagctgcgtt | agcgattgct | atagcctcct | cctctgtatc | gaacttgata | 3780 |
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| cacagcaggg | taggtcctaaa | gaaatttttt | ccaagttgg | gtcgttttcc | acctgtcaca | 3900 |
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| tccatagaga | cccttttcac | agagtttgc | gcgtgggtgca | acaggatctt | tcctgtagtt | 4260 |
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| tggcttgcaa | gcaacaatgg | atccaaatca | agaagaaatc | cctgatttac | ctcagccagg | 4440 |
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| agggcgcccc | ccaccttcgg | ggtgatcatg | gcactgggga | aattccacgg | ggtgatgact | 4560 |
| gcagccacgc | ctatgggctg | cttgaggacc | agggcccgcc | tgctcctttgc | cggggtgtag | 4620 |
| ataatgtctc | cgtaaacacg | gcgggcttcc | tcagagaacc | actctaggaa | aaaggcggaa | 4680 |
| tagagaattt | ctccatgtgc | ctccttcagt | ggctttccac | tttcagctgt | gattattctg | 4740 |
| gcaaggtcat | ccttattttt | tatcattaaa | ttgtaccact | tccgaagtaa | tgaactcctc | 4800 |
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| cagcagcgcc | gcagagaggc | ccgccaggcg | cccagcgtag | cagcggagct | gggcccggcc | 5040 |
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| aaacgtcgac | ccgaggcgcc | gggcccaca | gtccgcgac | caaatgcagg | tcgccatggc | 5160 |
| ccgggcaacg | acggcgacag | gaaacagggt | gtggcctggc | ctgctgatca | tgttggggtc | 5220 |
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| ccaggatgcg | tatcaggctg | gaatcgtggt | tcctgattgt | ttttacccta | gcactctgaa | 5400 |
| aggaggaaaa | ttccatgatg | tgtctgagag | cactcactgg | actccgtttc | ttaatgcaag | 5460 |
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| agctttcttg | tttgaatta | cttctcacat | ggcggcagat | gtcagctggc | atagtctggg | 5580 |

| | | | | | | |
|-------------|-------------|------------|------------|-------------|------------|------|
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| ggctcattcg | gctgggtgatt | ttggaggaga | tgtgttgagc | cagtttgaat | ttaatttta | 5700 |
| ttaccttgca | cgacgctggg | atgtgccagt | caaagatcta | ctgggaattt | atgagaaact | 5760 |
| gtatggtcga | aaagtcatca | ccgaaaatgt | aatcgttgat | tgttcacata | tccagttctt | 5820 |
| agaaatgtat | ggtgagatgc | tagctgtttc | caagttatat | cccacttact | ctacaaagtc | 5880 |
| cccgtttttg | gtggaacaat | tccaagagta | ttttcttgga | ggactggatg | atatggcatt | 5940 |
| ttgggtccact | aatattttacc | atctaacaat | cttcatgttg | gagaatggga | ccagtgactg | 6000 |
| caacctgcct | gagaaccttc | tgttcattgc | atgtggcggc | cagcaaaacc | acacccaggg | 6060 |
| ctcaaaaatg | cagaaaaatg | attttcacag | aaatttgact | acatccctaa | ctgaaagtgt | 6120 |
| tgacaggaat | ataaactata | ctgaaagagg | agtgttcttt | agtgtaaatt | cctggacccc | 6180 |
| ggattccatg | tccttttatct | acaaggcttt | ggaaaggaac | ataaggacaa | tgttcatagg | 6240 |
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| gtcttcttcc | cctaacatca | ccatttcttg | ccaggacatc | tactgtaact | tgggctggac | 6720 |
| tctcttggct | gcagatgtga | atggagacag | tgaacccgat | ctgggtcatcg | gctccccctt | 6780 |
| tgcaccaggt | ggagggaagc | agaagggaat | tgtggctgcg | ttttattctg | gccccagcct | 6840 |
| gagcgacaaa | gaaaaactga | acgtggaggc | agccaactgg | acggtgagag | gcgaggaaga | 6900 |
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| tgagaaaaag | agccttggga | gggtgtatgg | ctacttccca | ccaaacggcc | aaagctggtt | 7080 |
| taccatttct | ggagacaagg | caatggggaa | actgggtact | tccctttcca | gtggccacgt | 7140 |
| actgatgaat | gggactctga | aacaagtgtc | gctggttgga | gcccctacgt | acgatgacgt | 7200 |
| gtctaagggtg | gcattcctga | ccgtgacctc | acaccaaggc | ggagccactc | gcatgtacgc | 7260 |
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| ccttggctca | gattgaagat | ttcactgcat | ttccccactc | tgcccacctc | tctcatgctg | 7740 |
| aatcacatcc | atggtgagca | ttttgatgga | caaagtggca | catccagtgg | agcgggtggt | 7800 |
| gatcctgata | gacatggggc | tcctgggagt | agagagacac | actaacagcc | acaccctctg | 7860 |
| gaaatctgat | acagtaaata | tatgactgca | ccagaaatat | gtgaaatagc | agacattctg | 7920 |
| cttactcatg | tctccttcca | cagtttattt | cctcgcttcc | tttgcactca | aacctttctt | 7980 |
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<210> 7715
 <211> 2153
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2154)
 <223> n = a,t,c or g

 <220>

<221> misc_feature
 <222> (1749)...(625)
 <223> similar to gi4886461 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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ctgcaacctg ggctgcaggg tgaggtggct ccctccgcac agggcccagg acaccacca      180
tggcacaggc caggctgctg cccccacacg gcctccacga ggtcacgggt ccatctccac      240
aaccccaagg cagtaagcag tgtgcctcgc ttctgcgaag ctgggccaat gaagaggccc      300
cgccccacc ctcaggcccc gccctctccc cttggaaaac aggtggtttt ttcctaacac      360
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```

<210> 7716
 <211> 858
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (112)...(589)

<223> similar to gi849238 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7716

| | | | | | | |
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| ggctagccga | gccgcgcgc | ccgggcctcg | cccgcgcgc | tgccgcgc | ggtgtcatgg | 120 |
| atcatctcca | ggctggtggt | gcttatattt | ggcacccttt | accctgcgta | ttattcctac | 180 |
| aaggctgtga | aatcaaagga | cattaaggaa | tatgtcaa | ggatgatgta | ctggattata | 240 |
| tttgactttt | tcaccacagc | agagacattc | acagacatct | tcctttgttg | gtttccattc | 300 |
| tattatgaac | taaaaatagc | atttgtagcc | tggtgtgtgt | ctccctacac | aaaaggctcc | 360 |
| agcctcctgt | acaggaagtt | tgtacatccc | acactatctt | caaaagaaaa | ggaaatcgat | 420 |
| gattgtctgg | tccaagcaaa | agaccgaagt | tacgatgccc | ttgtgcactt | cgggaagcgg | 480 |
| ggcttgaacg | tggccgccac | agcggctgtg | atggctgctt | ccaagggaca | gggtgcctta | 540 |
| tcggagagac | tgccggagctt | cagcatgcag | gacctacca | ccatcagggg | agacggcgcc | 600 |
| cctgtctcct | cgggcccccc | accaccgggg | tctgggcggg | ccagcggcaa | acacggccag | 660 |
| cctaagatgt | ccaggagtgc | ttctgagagc | gctagcagct | caggcaccgc | ctagaatcct | 720 |
| tcgatctcgc | ttcaggaaga | aaagtacctc | atcctcgggc | accgaaacca | cgtgagttag | 780 |
| atgagccaac | agcaccggat | ccacagaatg | tttcttctct | gccttaaaga | gctattcact | 840 |
| aataacatag | aatccgc | | | | | 858 |

<210> 7717

<211> 1510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (183)...(904)

<223> similar to gi2649734 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7717

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| gcagcggcag | cggcagtggc | agtgggtggc | ggcggcggcg | agccaggcgc | ccaagagga | 120 |
| ccatccatat | tgactgtgag | aagcgcac | ctagctgcaa | aggcgcccag | gccgacgtgg | 180 |
| tgctcttttt | catccatggt | gtcggcggtt | ccctggccat | ctggaaggag | cagctggact | 240 |
| tctttgtgcg | cctaggctat | gaggtggtgg | ctcctgacct | ggcggccac | ggggccagct | 300 |
| ctgcgcccc | ggtggccgca | gcctacacct | tctatgcgct | ggctgaggac | atgcgagcaa | 360 |
| tcttcaagcg | ctatgccaag | aagcgaaatg | tgctcattgg | ccattcctac | ggtgtctctt | 420 |
| tctgcacatt | cctggcacat | gagtacccag | acctagtgc | caaggtgatc | atgatcaatg | 480 |
| gcggggggcc | tacggcgctg | gagcccagct | tctgtcfaat | cttcaacatg | cccacctgcg | 540 |
| tctgtcactg | cttgtcgccc | tgccctggcc | ggagcttcc | caaggccggc | ttcgcccgcc | 600 |
| aaggagccaa | ggagaagcag | ctgttaaagg | agggcaacgc | tttcaacgtg | tcctccttcg | 660 |
| tactccgggc | catgatgagc | ggccagtact | ggcccgaggg | cgacgaggtc | taccacgccg | 720 |
| agctcaccgt | gcccgtcctg | cttgtccacg | gcatgcacga | taagtttgtg | ccggtggagg | 780 |
| aagaccagcg | catggccgag | atcctgctcc | tggcattcct | gaagctcatc | gacgagggca | 840 |

| | | | | | | |
|-------------|-------------|------------|------------|-------------|------------|------|
| gccacatggt | gatgctggaa | tgccctgaga | cggtcaacac | gctgctccac | gaattcctgc | 900 |
| tctgggagcc | cgagccctcg | cccaaggctc | taccggagcc | actgccggcg | cctccagaag | 960 |
| acaagaagta | gccgctgggc | cggcggggca | tcgcttggtg | agcacagccg | cagcaggagg | 1020 |
| aggcccagagc | ctgcgccagg | tctgcagcgc | agaccacctg | ggcggggcgt | tcgctccggt | 1080 |
| gggcggggcc | aggtcaggga | gacgccccca | ggctgectgg | gcggggcggtg | gcatccgagg | 1140 |
| gagcccagcg | gacattccgc | tctccgcttc | cgccccgcgg | ggcccatcgg | cgttttgggg | 1200 |
| ccgcagccgg | gacctcacg | gaagatgacc | ttgtacagaa | gctctccctc | accttcccc | 1260 |
| caacgccacg | gccaaaggcag | gccccccacc | ccgctgtctt | ccgtgtcagc | cggtgctgat | 1320 |
| cctgggaccc | acgagcccca | cagggaccct | cgaggcccca | tcccgttatc | cgagaccctt | 1380 |
| cctaccccc | attcctcggc | gctgggatct | atttttgccc | aagggggggg | gatggggggg | 1440 |
| ctggcgccac | cgaacctgca | catctcaact | tgtaactcaa | taaacagaag | tgacaatcgg | 1500 |
| aaaaaaaaa | | | | | | 1510 |

<210> 7718

<211> 2177

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (952)...(2088)

<223> similar to gil301892 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7718

| | | | | | | |
|------------|-------------|-------------|-------------|------------|------------|------|
| ccgttgctgt | cgccctcaaag | gattgggctaa | aagcaagcaa | ctggattgaa | caccctaaga | 60 |
| agaaagattc | acactgcacc | aggagacatc | agaaagaatg | aaaactctgc | cgctgtttgt | 120 |
| gtgcatctgt | gcactgagtg | cttgcttctc | gttcagtga | ggtcgagaaa | gggatcatga | 180 |
| actacgtcac | agaaggcatc | atcaccaatc | acccaaatct | cactttgaat | taccacatta | 240 |
| tcctggactg | ctagctcacc | agaagccgtt | cattagaaaag | tcctataaat | gtctgcacaa | 300 |
| acgtgtagg | cctaagcttc | caccttcacc | taataacccc | cccaaattcc | caaatcctca | 360 |
| ccagccacct | aaacatccag | ataaaaatag | cagtggtggtc | aaccctacct | tagtggtac | 420 |
| aacccaaatt | ccatctgtga | ctttcccatc | agcttccacc | aaaattacta | cccttccaaa | 480 |
| tgtgactttt | cttcccaga | atgccaccac | catatcttca | agagaaaatg | ttaacacaag | 540 |
| ctcttctgta | gctacattag | caccagtga | ttccccagct | ccacaagaca | ccacagctgc | 600 |
| cccaccaca | ccttctgcaa | ctacaccagc | tccaccatct | tcctcagctc | caccagagac | 660 |
| cacagctgcc | ccaccacac | cttctgcaac | tacacaagct | ccaccatctt | cctcagctcc | 720 |
| accagagacc | acagctgccc | caccacaccc | tcctgcaact | acacaagctc | caccatcttc | 780 |
| ctcagctcca | ccagagacca | cagctgcccc | acccacacct | cctgcaacta | caccagctcc | 840 |
| accatcttcc | tcagctccac | cagagaccac | agctgtccca | cccacacctt | ctgcaactac | 900 |
| cctagaccca | tcattccgct | cagctcttgc | tgtcccgcgg | agctgcagac | tgaagggagc | 960 |
| aacggcaaga | aagaagtgtc | gagcggtttc | caagtgggtc | tggaagacac | agtgttttc | 1020 |
| cctgagggcg | ggggacagcc | tgatgaccgt | ggtacaatca | atgacatctc | tgtgctgaga | 1080 |
| gtgactcgcc | gtggggaaca | ggctgatcat | ttcaccaga | caccctgga | tccaggaagc | 1140 |
| caggttctgg | tccgggtaga | ttgggagcgg | aggtttgacc | acatgcagca | gcattcaggg | 1200 |
| cagcatctca | tcacggcagt | tgctgaccat | ctattttaagc | tgaagacaac | atcatgggag | 1260 |
| ttagggagat | ttcggagtgc | gattgagctg | gacacccctt | ctatgactgc | agagcaagta | 1320 |
| gctgccattg | agcagagcgt | caatgaaaaa | atcagagatc | ggctgectgt | gaatgtccga | 1380 |
| gaactgagcc | tggatgatcc | tgaggtggag | caggtgagtg | gccgggggtt | gcctgatgat | 1440 |
| catgctgggc | ccattcgggt | tgtaaacatc | gagggcggtg | attccaacat | gtgctgtggg | 1500 |

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|------|
| acccatgtga | gcaatctcag | tgaccttcag | gtcattaaga | ttctgggcac | tgagaagggg | 1560 |
| aaaaagaaca | gaaccaacct | gatatttctg | tctgggaacc | gggtgctgaa | gtggatggag | 1620 |
| agaagtcag | gaactgaaaa | agcactgact | gctctgctta | agtgtggagc | agaggatcat | 1680 |
| gtggaagcag | tgaaaaagct | ccagaactcc | accaagatcc | tgagaagaa | taacctgaat | 1740 |
| ctgctcagag | acctggctgt | gcacattgcc | catagcctca | ggaacagtcc | agactgggga | 1800 |
| gggtgtggtca | tattacacag | gaaggagggt | gattcagagt | tcatgaatat | cattgccaat | 1860 |
| gagattgggt | cagaggagac | cctcctgttc | ttaactgtgg | gcatgagaa | aggtggtgga | 1920 |
| ctcttcttac | tggcagggcc | acctgcgtct | gtggagaccc | tggggcccag | gggtggctgag | 1980 |
| gtcctggaag | gcaaaggagc | agggaagaaa | ggccgttttc | agggcaaggc | caccaagatg | 2040 |
| agccggcgga | tggaggcgca | ggcgcttctc | caggactaca | tcagcacgca | gagtgtctaa | 2100 |
| gagtgagggc | ttagggcact | cacctcctgt | ttccacagga | atcttttggg | caataaaata | 2160 |
| gattgactca | aaaaaaa | | | | | 2177 |

<210> 7719

<211> 2211

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (352)...(1180)

<223> similar to gi4680679 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|------------|-------------|------------|------------|-------------|-------------|------|
| <400> 7719 | | | | | | |
| atttgagacc | ccattgatga | gctctttcac | tgcgcacctg | ccctgccagt | ggcctttctg | 60 |
| gtcccagcta | ctgaaaccgg | tgagctgctc | cagggtgagg | ctgctttctg | gctcctgggtg | 120 |
| tatttgga | cagataggcc | cttagtgctc | agaggcgccc | catgcagccc | tcatggctcag | 180 |
| caggacaccc | aggatagacc | ccctccacgc | agcacctggg | ccctgggagc | ggctgctttt | 240 |
| aggatgccac | ctgttcctgg | gcgccttggt | tttagcttct | gacctgaaga | tgagcggggg | 300 |
| agcgcggtgg | cgagggcacg | tgggcgtggc | tcacggtctc | ctctctgtgg | caggtacatg | 360 |
| tcccagagca | agcacacgga | ggcccgggag | ctcatgtact | cgggagccct | gctcttcttc | 420 |
| agccatggcc | agcaaaacag | tgacgagctg | ttgtccatgc | tggctctgga | gtccctggag | 480 |
| aaggcggaag | tggaggtggc | tgacgagctg | ctggaaaatc | tggctaaagt | gttcagcctg | 540 |
| atggacccca | actctcctga | gcgcgtgacc | tttgtgtcca | gagccctgaa | gtggtccagt | 600 |
| gggggctccg | ggaagctggg | ccacccccgg | ctgcaccagc | tgetggccct | cacctgtgg | 660 |
| aaagaacaaa | actattgtga | gtcgaggtat | cattttctgc | actcagcgga | cggggagggc | 720 |
| tgtgccaaca | tgtgtgtgga | gtattccacg | tcccgcggct | tccgcagcga | ggtggacatg | 780 |
| ttcgtggccc | aggccgtgct | acagtttctc | tgtttaaaaa | acaaaagtag | cgcacgggtg | 840 |
| gtcttcacga | cgtacaccca | gaagcacccg | tccatcgagg | acgggcctcc | gtttgtggag | 900 |
| ccgctgctta | acttcatctg | gttcctgctg | ctggctgtgg | acgggtggga | gctgacgggtg | 960 |
| ttcactgtgc | tgtgtgagca | gtaccagcca | tccctccggc | gggaccccat | gtacaacgag | 1020 |
| tacctcgacc | gcataggaca | gctgttcttc | ggcgtcccgc | ccaagcagac | gtcttctctac | 1080 |
| gggggcctgc | tcgggaacct | tctgaccagc | ctcatgggct | cctcagagca | ggaggatggg | 1140 |
| gaggagagcc | ccagcgacgg | cagccccatc | gagctggact | gaactggcca | ggccacgtgg | 1200 |
| agacaccacg | gtcgacgacg | gctggagggg | cgtttcagag | gcgagtctctg | gggtggctcct | 1260 |
| cgcttggggg | gctcctggcc | ctgaggctgg | cggtggccgc | atgccggcgc | gtgtctgttt | 1320 |
| ctgtgcggcg | gctcaggggtg | gcacggctgc | tgctcactgt | gctgctggga | cccaagagtg | 1380 |
| gggcgtcgcc | cctgctggcc | gccgcgtccc | ccgagattga | cccacaataa | agcacaggcc | 1440 |
| ttaccgcggc | gtcacctctc | cccactcctt | tgttctgggt | ccttttcggga | gggctgatgg | 1500 |

| | | | | | | |
|-------------|-------------|-------------|------------|------------|-------------|------|
| gcagcacagg | aggcccgtcc | tcgggggggt | gcgcacatca | cgctccttgc | cgggcggtccg | 1560 |
| gcacagctgc | ggtcaccaaa | gcaggtgctg | gccctcggac | ctgagagccc | agccagggcc | 1620 |
| catgtggtct | gcaaattggga | gcggctgttt | ttgaacacgg | ggtcattctg | cagtcaggac | 1680 |
| gaaccgggtcc | ccgtcgcaga | cggagtgcac | gtgccctgcg | ccacatcctc | acgctcgggtg | 1740 |
| gagggacgcg | tcgggcggga | cgggtgcctac | gggtacttgc | agctgtgtcc | catgtggcat | 1800 |
| cccagagctg | cgccctgctg | gtctctgtga | gcgccacgct | gctgtgctgg | aaatgccgct | 1860 |
| ttaaaaaggg | ataccgtggg | actctgcccg | tctctttcat | aacgcaatat | ttatttgtat | 1920 |
| tgggtgacga | ttgattcttt | cgacctaaca | ttttgggttt | taaccaaata | accggtccag | 1980 |
| gagtgagcag | ctccgttctg | tcagatgcta | ctccaaatgt | taccagaacg | atgacaaaag | 2040 |
| gggagacgct | ctattttttc | acagttaaata | gacagttgta | gattgatacg | cagttgtgca | 2100 |
| tgggaagggg | aaacgcacag | ctttattttac | tgtaaagtgg | aatttcagga | aggcttgtgt | 2160 |
| gaaccgttgc | gcataaataa | accctttcta | ccgggctgtg | caaaaaaaaa | a | 2211 |

<210> 7720

<211> 875

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (61)...(828)

<223> similar to gi297902 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7720

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|-------------|-----|
| gtggtggaat | tcgagccgct | gaggggtgcgg | gctgaccctg | taagtggctg | cggcggggaag | 60 |
| atggcgggagc | tcgcgcgtgct | cgtagctgtc | aagaggggtca | tcgactacgc | cgtgaagatc | 120 |
| cgagtgaagc | ctgacaggac | cgggtgtggtc | acggatgggtg | tgaagcactc | catgaacccc | 180 |
| ttctgtgaga | tcgcgggtgga | ggaggctgtg | cggctcaagg | agaagaagct | ggtgaaggag | 240 |
| gtcatcgccg | tcagctgtgg | gcctgcacag | tgccaggaga | cgattcgtac | cgccctggcc | 300 |
| atgggtgcag | accgaggtat | ccacgtggag | gtgccccag | cagaagcaga | acgcttgggt | 360 |
| cccctgcagg | tggctcgggt | cctggccaag | ctggcagaga | aggagaaggt | ggacctgggtg | 420 |
| ctgctgggca | aacaggccat | cgatgatgac | tgtaaccaga | cagggcagat | gacagctgga | 480 |
| tttcttgact | ggccacaggg | cacattcgcc | tcccaggtga | tgctggaggg | ggacaagttg | 540 |
| aaagtggagc | gggagatcga | tggggggcctg | gagaccctgc | gcctgaagct | gccagctgtg | 600 |
| gtgacagctg | acctgaggct | caacgagccc | cgctacgcca | cgctgcccaa | catcatgaaa | 660 |
| gccaagaaga | agaagatcga | ggtgatcaag | cctggggacc | tgggtgtgga | cctgacctcc | 720 |
| aagctctctg | tgatcagtgt | ggaggacccg | ccccagcgca | cggccggcgt | caaggtggag | 780 |
| accactgagg | acctggtggc | caagctgaag | gagattgggc | ggatttgagc | ccctcccaga | 840 |
| gatggcaata | aaactgactc | tcaacaaaaa | aaaaa | | | 875 |

<210> 7721

<211> 1763

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (184)...(1365)
 <223> similar to gi4469023 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7721
 gccatcatgg cggcgccac gaggcctgtc cggctcccgg aagcaggctg tgaggggcgg 60
 gagcgctgct ggaacccgag ccggagccgg agccacagcg gggagggtgg cctggcgggc 120
 tggagccgga cgtgtccggg gcgtccccgc agaccggggc agcaggctcg ccggggggccc 180
 accatgctgg tgaactgccta ccttgctttt gtaggcctcc tggcctcctg cctgggggctg 240
 gaactgtcaa gatgccgggc taaacccccct ggaagggcct gcagcaatcc ctccttcctt 300
 cggtttcaac tggacttcta tcagggtctac ttcttgggcc tggcagctga ttggcttcag 360
 gccccctacc tctataaaact ctaccagcat tactacttcc tgggaaggtca aattgccatc 420
 ctctatgtct gtggccttgc ctctacagtc ctctttggcc tagtggcctc ctcccttggtg 480
 gattggctgg gtgcgaagaa ttcttgtgtc ctcttctccc tgacttactc actatgctgc 540
 ttaaccaaac tctctcaaga ctactttgtg ctgctagtgg ggcgagcact tgggtgggctg 600
 tccacagccc tgctcttctc agccttcgag gcctgggtata tccatgagca cgtggaacgg 660
 catgacttcc ctgctgagtg gatcccagct acctttgtct gagctgcctt ctggaacat 720
 gtgctggctg tagtggcagg tgtggcagct gaggtgttag ccagctggat agggctgggg 780
 cctgtagcgc cctttgtggc tgccatccct ctccctggctc tggcaggggc cttggccctt 840
 cgaaaactggg gggagaacta tgaccggcag cgtgccttct caaggacctg tgctggaggc 900
 ctgcgctgcc tcctgtcgga ccgcgcgctg ctgctgttgg gcaccataca agctctatctt 960
 gagagtgtca tcttcatctt tgtcttctc tggacacctg tgctggacct acacggggcc 1020
 cctctgggca ttatcttctc cagcttcatg gcagccagcc tgcttggctc ttccctgtac 1080
 cgtatcgcca cctccaagag gtaccacctt cagcccagtc acctgctgtc ccttgcctgtg 1140
 ctcatcgctg tcttctctct ctctcatgtt actttctcta ccagcccagg ccaggagagt 1200
 ccggtggagt ccttcatagc ctttctactt attgagttgg cttgtggatt atactttccc 1260
 agcatgagct tcctacggag aaaggtgatc cctgagacag agcaggctgg tgtactcaac 1320
 tggttccggg tacctctgca ctactggct tgcctagggc tccttgtcct ccatgacagt 1380
 gatcgaaaaa caggcactcg gaatatgttc agcatttgct ctgctgtcat ggtgatggct 1440
 ctgctggcag tgggtgggact ctccaccgtg gtaaggcatg atgctgagct gcgggtacct 1500
 tcacctactg aggagcccta tgcccctgag ctgtaacccc actccaggac aagatagctg 1560
 ggacagactc ttgaattcca gctatccggg attgtacaga tctctctgtg actgactttg 1620
 tgactgtcct gtggtttctc ctgccattgc tttgtgtttg ggaggacatg atgggggtga 1680
 tggactggaa agaaggtgcc aaaagttccc tctgtgttac tcccatttag aaaataaaca 1740
 cttttaaatg atcaaaaaaa aaa 1763

<210> 7722
 <211> 954
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (735)...(177)
 <223> similar to gi4877285 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7722
ttttttttttt ttcctgaatg acacccataa cagcttttatt ttcaaaggcg ggatccctcc      60
ccgggcttgt gatgggacgg cgctgtgggc ccgagcagca gagccgtgca ggacaggcat      120
gggcaggggt ggggcagctg gcccgggagg ccggcaggtc ccagaagaca cctcacacgg      180
gttccatctg cagctcctcc ccgtccacag cctcaatctg gtggaaggca gcgtgggagc      240
cgatgaccac caggggtggct cccagcacc agaaagacggc cgagcccgca ccagccagcc      300
agaagaagg gaaggagatg cctccagcca gagcatactg atgcgctggg ctcacctctc      360
ggccaaagag cacaagcttg gactccaagg tgcgcagata gagaatgtaa caggcgccga      420
aaaagacagc cagagccacc agcaacatag gggacgtcac cacacagtac aggatgaggc      480
ccaggaacac gaacacatag ttgctctggg agtactccac gttgcgtacg aggcgctggc      540
acagctctcc cagggttgccg ggccgtgaga agcgcgtgctg gtccacgaag gtgctccagg      600
gccggatggg cgccggcgcc cgctccagcc actcccgccg tgcaccggag ggaatcagct      660
tcggcagcag ggtcgtgccg ctcagccctt ccgcctcggc atctttctgc tggctcttct      720
gcgctgccat gtttgcgtcg tgaggggtag agctgctgta accagcccgg taccctgaag      780
acccgcggcg cccgcggcga cgccggcccc acccagcgga gtcgacgtgg cgacggccg      840
gagcagctgg ggactgtagt tctgccggcg agtattgtgg gagttgtagt cctgacgggtg      900
actaagagga tgggcgctat atggcggggt ttacggcctt catcagggtc caat          954

```

<210> 7723

<211> 2159

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (434)...(1438)

<223> similar to gi55940 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7723
aaactgattg caggcagtat gtaggcattt ttcattcaga atggacatta atatcttgaa      60
tagagaagaa agctttttaga aatgtatcat ttgtcaaaat tgcattgcctt ttaaaaaatg      120
ataaagagag atgctgagtg ttttgtatgt tagcatcgac tctttctttt tatttctgtt      180
cagactcaag tttttagaag ctagaatata gatcccttta agaaaaaaaa aggaagaaag      240
aagaatttgc tgggttagtcg acctctgttt aagaagtgtc tcattcctct cctccacctc      300
tccgtgggtg ttctctgcag ctctctgtag gttaggggtt tgtgctgcct ggcagaatgc      360
tcatgtgtta gctgaataga tatcatcgac agacatagac cactataggt tttctttcct      420
tgtgaattcc aaaatgccat ccaaagagtc ttggtcaggg aggaaaaacta atagggctgc      480
agttcacaaa tcaaaacaag agggccgtca gcaagattta ttgatagcag ccttgggaat      540
gaaactgggt tctccaaagt cgtctgtgac aatctggcaa cctctgaaac tctttgctta      600
ttcgcagttg acatcacttg ttagaagagc aactctgaaa gaaaacgagc aaattccaaa      660
atatgaaaag attcacaatt tcaagggtga tacattcaga gggccacact ggtgtgaata      720
ctgtgccaac tttatgtggg gtctcattgc tcagggagtg aaatgtgcag attgtggttt      780
gaatgttcat aagcagtgtt ccaagatggt cccaaatgac tgtaagccag acttgaagca      840
tgtcaaaaag gtgtacagct gtgaccttac gacgctcgtg aaagcacata ccactaagcg      900
gccaatgggt gtagacatgt gcatcagga gattgagct agaggtctta attctgaagg      960
actataccga gtatcaggat ttagtgacct aattgaagat gtcaagatgg ctttcgacag      1020
agatggtgag aaggcagata tttctgtgaa catgtatgaa gatatcaaca ttatcactgg      1080

```

| | | | | | | |
|-------------|------------|-------------|------------|-------------|-------------|------|
| tgcacttaaa | ctgtacttca | gggatttgcc | aattccactc | attacatatg | atgcctaccc | 1140 |
| taagtttata | gaatctgcc | aaattatgga | tccggatgag | caattggaaa | cccttcatga | 1200 |
| agcactgaaa | ctactgccac | ctgctcactg | cgaaaccctc | cggtagctca | tggcacatct | 1260 |
| aaagagagt | accctccacg | aaaaggagaa | tcttatgaat | gcagagaacc | ttggaatcgt | 1320 |
| ctttggaccc | acccttatga | gatctccaga | actagacgcc | atggctgcat | tgaatgat | 1380 |
| acggtatcag | agactggtgg | tggagctgct | tatcaaaaac | gaagacattt | tattttaaat | 1440 |
| ttttaatttg | aggggaaaag | aatgttttta | cagatgaagg | aatgttttat | agtaatttaa | 1500 |
| tttgctcctg | tagctgcatt | atttcttgat | tagaggtttg | ggcatataac | cagattaaag | 1560 |
| tgaaggaaact | ttctgttggt | tttgtagcac | cgctcagctg | tcttgtaaaa | cagtgaacac | 1620 |
| acgctttctg | gttctagtaa | tcttgggtgt | ttatcacgtt | cagagaaaact | caagctattg | 1680 |
| catgattagc | cccctatctg | gcaaggaaaac | cccatacaga | agaaaacaaca | aacctgcgcc | 1740 |
| tgcaccgcct | ctgcgtcctg | ggtagtctgt | gcttgtaatc | cagcatgttt | cacagagtaa | 1800 |
| gcctgttggtg | actttgcttt | tgggggtctat | gtcattgggt | tctgatgctt | gtacaaacac | 1860 |
| gcacacacaa | atggataaaa | cagcacctct | ggctgttaca | ttaccataaa | ccatattcaca | 1920 |
| tgcctacatt | ttacaaatga | tttctgggtt | ctcttagttc | ttctctaaca | tagtactttc | 1980 |
| tttccagcaa | aagcaaaatg | tgttttcaga | tttgttactt | taataaaggt | tatccatacc | 2040 |
| aataaaaagt | gtacaacaca | gcattttctg | ttaaattatt | attgggtttc | agttgtaatt | 2100 |
| tgggtattttt | tctggcatgc | gtttattaat | ttattaaatt | ggcttttaga | aaaaaaaaa | 2159 |

<210> 7724

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (4)...(358)

<223> similar to gi3875142 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7724

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tcggtgcgta | attcggcacg | aggtctgaag | atggcggcct | cagcagcgcg | aggtgctgcg | 60 |
| gcgctgcgta | gaagtatcaa | tcagccgggt | gcttttgtga | gaagaattcc | ttggactgcg | 120 |
| gcgtcgagtc | agctgaaaga | acactttgca | cagttcggcc | atgtcagaag | gtgcatttta | 180 |
| ccttttgaca | aggagactgg | ctttcacaga | ggtttgggtt | gggttcagtt | ttcttcagaa | 240 |
| gaaggacttc | ggaatgcact | acaacaggaa | aatcatatta | tagatggagt | aaaggtccag | 300 |
| gttcacacta | gaaggccaaa | acttccgcaa | acatctgatg | atgaaaagaa | agatttttga | 360 |
| gactgcagcc | tattaataaa | gttaacataa | ctgagaaaaa | aaaaa | | 405 |

<210> 7725

<211> 2144

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1812)...(1952)

<223> similar to gi4262110 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 7725
gacccccagcc tccccctctgc tttgcatggg acctaagtct ccatttacag aactcactat      60
ttgcctcttg tgggggaagt ccccagatgt cagccttctc gtgggaatta taagaagtat      120
gagccccaga gctccttttag tctctcccca gccagagtc acatattttc ccccatgttt      180
tgtgggtgaa aaggcccttc agaaccctaa atccaccag tttatatattg ttgctgggct      240
gcgtcattct agtcagaatc tgggaggatg ccaccatacg tagaggaggc catgagggtc      300
tcacctgtaa cattctgtag atatgacttg tttattctgt ctactgtgag tgcctgactc      360
tgagtagaat caaggccggg ggattgtcat ctgctttgtt tatgaaatta tgccaagccc      420
caagaagagc gatgcacaaa tgagggtgtt tgaatgtatg tgttgaatga gtgaacccca      480
acctttggag aacccagtg agcctctcca gatgtctgag tgggcctgtg gctccttttt      540
cagcaccaag ggacccctct tctgtctgtg tcaaggagaa agaccagcca gaaggaatct      600
cagacatcct ttaccagtgc catcgcagac ttggtttcta tgtgtttttc caaacagtga      660
gtgatacagg ccattgaggc agaatgctga gagctgcttc aagtgagggg gaagagaaaa      720
gtaacaaaca tgaatcacag cccccccagc agattttcca gagttttagg ctctagggac      780
ccctttgttt gctgtgtctt agatcattga gtccctacaa gaacctgtg aggttcgtct      840
tctcactact ccctgttcca gaggagccaa ccgaggctcc gagaggtgca tcttcaagac      900
agagccagta ggggacagag gcacctctgt gtcttgaggg gggatggaca ctcaccttct      960
aaccagtagt tccaaaaagt gtggcacagt gataaagtcc caggaggggc ccaggcaggt     1020
ggcataggag gagatgggtt tagttagaaa ggctggaacc agggactccc aacagcttct     1080
ccccagtgcc gggctggaaa gttagcatcc tgcagatctc attttcatac tagggggaca     1140
aggagggaca tgggagtcag tggtaacacc atggaccacc agaggatcgg gatctggaac     1200
tcacaccaag aagcaccaac ccttcagggg cttgtgcata tggagaacct gggtgcccat     1260
ggtgaaaagc gttctaggct ttcaaagtaa cattgcatgt gaggatggag aatgataaaa     1320
cgattcctgc cttcaaggca tcgtcccgtt gtttgtcagc tgtggggcaa cagcacctc     1380
tgtgtcagca acctgcatga agagcatcat ccctgcaagt cctcaaggcc tggggaggcc     1440
tcatccctc ctcatttcag caacagcaca caggacaata cgctctagaa gaactctttg     1500
acttaaaggt atatgattgt tttgttctt ttaacatgaa cgtgagtctg gagaaacagc     1560
tacggccatc ccagccctgg ccaaggggaa aatgccggaa gactccaggg tgggaggaag     1620
cgctcccaa ggcccaggat ctgcgaggcg acttggggaa aacgcaggca ggacctgctg     1680
aagctcacac ccgtggacca ccagactgc ctgccgtac aggatgccct ccgcactctc     1740
caggacttct ttccggcatc agtgtggaca ttgacccac tggactgcag tcacagtgga     1800
ctcccaaggg gcaggatcca cctctgatgt tcagtgaaga ctaccagaaa agtctgctag     1860
agcagtacca tctgggtctg gatcaaaaac tcagaaaata cgtggttgga gagctcatct     1920
ggaattttgc cgatttcagt actaaccagt gtggttgagg agtgggcca gggcaccttc     1980
aaactcaacc ccaatgatga ggacatccac acagccaaca agtgccacct gaagggtggtc     2040
acggacctca ggttgtggat gtggcagacc tgcttcacgc tctcgggcct cctctgggag     2100
ctcatcagga ctatggggga ttgggcagag gtgttctctg tcca                      2144
```

<210> 7726

<211> 1316

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (322)...(933)

<223> similar to gil666073 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7726
ccggcgccctg ggttggcgct gcgggggcgga ggcgggtgtct gagcgccgct ccggctctgc      60
tctctctcga gcttcggcac ccgcccagac cgctcgcgcg cccgccacct gtctgcccac      120
tcggctgtct gtctgccctc ccgcccagac ctctgcctc gggcctgccc tctccggtct      180
cgggtgtccg agggggcgac agaagcgcgga cggggccgtg gcgcaccggg cagggcgcgcg      240
ggggcgcacg gcctgggggc gcacggtgcg gcgcggggcc atgaggcttt ccagcgcggg      300
gagcggcagc gccggccggc catgggggggt agcctgcggg tggccgttct aggcgccccg      360
ggcgtgggca agacggccat catccgccag ttctgttctg gtgactacct cgagcgccac      420
cggcccacgg acgggcccgc cctctaccga cccgcggtgc tgctcgacgg cgccgtctac      480
gacttgagca tccgcgacgg cgacgtcgct ggccccggct cgagccccgg gggcccgag      540
gagtggccag acgctaagga ctggagcttg caggacacgg acgccttcgt gctcgtctac      600
gacatctgca gcccggacag ttctgactac gtgaaggccc tgccggcagcg catcgcgag      660
accaggccgg cgggcgcgcc cgaagcgccc atcctcgttg taggcaaca gcgggacagg      720
cagcggtctg gcttcggacc ggcgcgcgcg ctggccgccc tagtgcgag gggctggcg      780
tgccgctacc tcgagtgtc cgccaagtac aactggcacg tgctgcgtct cttccgcgag      840
ctgctgcgct gcgctctggt gcgcgcgcgc cctgcacacc cggccctgcg cctgcagggg      900
gcgctgcac ccgcgcgctg cagcctcatg tgacccgatc ggacagtgcc atccatgggc      960
cccaccttgt gactgggaca atcagggacc tggattggac gggatcgccc aacttcactg     1020
ggactggaca gggaagtctc cgccctgatt ggatgaggaa agctccaacc cagtctccta     1080
agcgactggc ccccttttga acctcattgg acccaaccag gtcccaagct ccattggaga     1140
tgaccagtcc tttctgggac ctcaatgggt cacaatccca ttggatggaa aggacttggc     1200
tatgaacttg actggaaaca cgcagcctgc tctggagct tctactggaca tattctttat     1260
gccacaccta ccacgggata ataaaaggga aaataatttg aaaaaaaaaa aaaagg      1316

```

```

<210> 7727
<211> 2077
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (329)...(1596)
<223> similar to gi758591 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 7727
tgaattcccc ggtcgacgat tcgtgtctca ggacgcatgg agccagggct ggaagtctcc      60
atctgggcag gcgccaggca gccctgcag gctggggagg tggaggctgc tggagtcaag      120
aggaaccagg tgagggtgtt ggagcataac aggcttggga ggcaggcaga aacctgcct      180
tctgcaaact ctatctcttc cccctcctgg gagcagacag gatggcgctg tggcctgaaa      240
gcagctgtcc ctctgtgtg caagctcgga ctgctgcacc cagacagatt ccatctctga      300
ccttcactt gttegtctcc agctcgccat ggccaaacag ctgcaggccc gaaggctaga      360
cgggatcgac tacaaccctt ggggtggagt tgtgaaactg gccagtgagc atgacgtcgt      420
gaacttgggc cagggttcc cggatttccc accaccagac tttgccgtgg aagcctttca      480

```

| | | | | | | |
|------------|-------------|-------------|------------|------------|------------|------|
| gcacgctgtc | agtggagact | tcatgcttaa | ccagtacacc | aagacatttg | gttaccacc | 540 |
| actgacgaag | atcctggcaa | gtttcttttg | ggagctgctg | ggtcaggaga | tagaccgcgt | 600 |
| caggaatgtg | ctggtgactg | ttggtggcta | tggggccctg | ttcacagcct | tccaggccct | 660 |
| ggtggacgaa | ggagacgagg | tcatcatcat | cgaacctttt | tttgactgct | acgagcccat | 720 |
| gacaatgatg | gcaggggggtc | gtcctgtgtt | tgtgtccctg | aagccgggtc | ccatccagaa | 780 |
| tggagaactg | ggttccagca | gcaactggca | gctggacccc | atggagctgg | ccggcaaatt | 840 |
| cacatcacgc | accaaagccc | tggtcctcaa | cacccccaac | aaccccctgg | gcaagggtgt | 900 |
| ctccagggaa | gagctggagc | tgggtggccag | cctttgccag | cagcatgacg | tgggtgtgat | 960 |
| cactgatgaa | gtctaccagt | ggatggtcta | cgacgggcac | cagcacatca | gcattgccag | 1020 |
| cctccctggc | atgtgggaac | ggaccctgac | catcggcagc | gccggcaaga | ccttcagcgc | 1080 |
| cactggctgg | aaggtgggct | gggtcctggg | tccagatcac | atcatgaagc | acctgcggac | 1140 |
| cgtgcaccag | aactccgtct | tccactgccc | cacgcagagc | caggctgcag | tagccgagag | 1200 |
| ccttgaaacg | gagcagctgc | tcttcgcgca | accagcagc | tactttgtgc | agttcccgca | 1260 |
| ggccatgcag | cgctgccgtg | accacatgat | acgtagccta | cagtcagtgg | gcctgaagcc | 1320 |
| catcatccct | cagggcagct | acttcctcat | cacagacatc | tcagacttca | agaggaagat | 1380 |
| gcctgacttg | cctggagctg | tggatgagcc | ctatgacaga | cgcttcgtca | agtggatgat | 1440 |
| caagaacaag | ggcttgggtg | ccatccctgt | ctccatcttc | tatagtgtgc | cacatcagaa | 1500 |
| gcactttgac | cactatatcc | gcttctgttt | tgtgaaggat | gaagccacgc | tccaggccat | 1560 |
| ggacgagaag | ctgcggaagt | ggaaggtgga | actctagccc | tgaagtcacg | ccttggccct | 1620 |
| gacatcccca | catgcccgca | gagatcctct | ttgagtgtct | gtctttgtcc | aggtttcaga | 1680 |
| catttctagg | ttggggaaga | tgctattggg | aaacctcttc | tccgtgacac | agaatgttct | 1740 |
| gggtgggagc | cgcccttctt | catcttagag | aaccaagtgc | ctcctgtctg | aaaggtgagg | 1800 |
| gtggcctgac | ctgggcctct | ccctgcccct | ccataggtgg | gtttgtaggg | tcttgtgttg | 1860 |
| cttctggtct | ctccaggctt | ggctgagacg | gacggtagac | ttccaccatg | taccgatcac | 1920 |
| atccagctc | tgcatggccc | ctgctaaggc | tcaggtataa | cctcaccttc | cctggctcat | 1980 |
| cctggccttg | gggagttgcc | tttaggcttg | agtcctcaag | cctctccttt | tcgtccataa | 2040 |
| taaaatgttt | aagttattaa | gataccttaa | aaaaaaa | | | 2077 |

<210> 7728

<211> 1704

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (79)...(1336)

<223> similar to gi4884241 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7728

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| gcacgcagc | cgccctcctc | gggcctccc | gccggggg | ccaacgggga | gagccccggg | 60 |
| ggcggcgccc | cctttccggg | cagcagcggc | tcttccgccc | tgctgcaggc | ggaggtgctg | 120 |
| gatctggacg | aggacgagga | cgacctggag | gtgttcagca | aggatgcctc | attgatggac | 180 |
| atgaactcct | tcagccctat | gatgccaa | tcccctttat | caatgataaa | ccaaatcaag | 240 |
| tttgaggatg | aaccagattt | aaaggatctc | ttcatcacag | ttgatgaacc | tgaaagtcac | 300 |
| gttactacaa | tagaaaactt | cattacgtat | aggattatta | ctaagacatc | tcgtggggaa | 360 |
| tttgactcca | gtgaatttga | agttaggaga | cgatatcaag | atttcctttg | gttgaaggga | 420 |
| aaactggaag | aagcacaccc | cactctgatt | attccaccat | tgccagaaaa | gtttatagta | 480 |
| aaaggaatgg | tggaaacgct | taacgatgac | ttcattgaga | cacgcaggaa | ggctttacat | 540 |
| aaatttttga | accgaattgc | tgatcatcca | actttaacat | ttaatgaaga | cttcaaaatt | 600 |

| | | | | | | |
|------------|-------------|------------|------------|-------------|------------|------|
| tttctcactg | cacaagcttg | ggaactctct | tctcacaaga | agcaagggtcc | tggcttgcta | 660 |
| agcaggatgg | ggcaaaccgt | cagagctggt | gcgtcctcaa | tgagaggagt | taaaaaccgc | 720 |
| ccagaggagt | tcatggaaat | gaataacttt | attgaactat | ttagccagaa | aataaatttg | 780 |
| atagataaaa | tatctcagag | aatttataag | gaagaaaggg | aatattttga | tgaaatgaaa | 840 |
| gaatatggcc | caattcatat | tctgtggtca | gcgtcagaag | aggatctggt | tgatactcta | 900 |
| aaggatggtg | ccagctgcat | tgacagatgc | tgtaaggcca | ctgaaaagcg | gatgtctgga | 960 |
| ctctcagagg | ccctgcttcc | tgttgtacat | gagtacgtgc | tttatagtga | aatgttaatg | 1020 |
| ggtgttatga | aaagaagaga | ccaaatacaa | gcagaactgg | attccaaagt | tgaagttttg | 1080 |
| acctataaaa | aggcagatac | tgatctgctt | ccagaggaga | ttggaaaact | tgaagataaa | 1140 |
| gtggaatgtg | ctaataatgc | cctgaaagca | gattgggaga | gatggaaaca | aaatatgcaa | 1200 |
| aatgatatac | agtttagcatt | tacagatatg | gctgaggaga | atatccatta | ttatgaacag | 1260 |
| tgcttctgta | cgtgggaatc | attccttaca | tcacagacca | accttcactt | ggaagaagcc | 1320 |
| tctgaagata | aaccttaatc | ccattgagga | cttctgtttg | atctttggga | gacagcattt | 1380 |
| attaaccaa | gttattcttt | ctggatctgc | cgtgtcctta | taaagtggat | gaaaaatggt | 1440 |
| ttgtacccat | ctggaaaacc | aacaacttga | aatctcaggt | attccagggtc | actgacatga | 1500 |
| atgtgaagat | atatctatct | gtatggatat | atatctatat | gtatatagat | atataaatac | 1560 |
| agagagatat | ctggcttggg | tttaattatg | ttcttaaatt | tgtgtgcca | taattgcata | 1620 |
| tagatTTTTT | tcttaaatat | ttgactgtgg | aacatgccat | tttaaatatg | ttgtaaggac | 1680 |
| tgttttaata | aaaagtttag | tatg | | | | 1704 |

<210> 7729

<211> 2309

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2222)...(1845)

<223> similar to gi455109 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7729

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|------|
| gctaaataaa | atgggggaac | cccagggttt | ttccctcccc | ccggttttta | aacacggggc | 60 |
| ccgaaattga | attttggggc | cccaaaaaaa | aaatatctct | tttccctccc | ccgggcataa | 120 |
| aaattgatcc | tttaaaaagg | gccccccctt | tttttttttt | tgacagtttt | taattgtgcc | 180 |
| tttattcaac | ttagttcatt | aaaaatgttt | taaagatcct | ataaataaag | tgaccactca | 240 |
| catgggatat | aggtcacccc | tcagcatggt | attttttttc | ttaaaaagca | gtatttctta | 300 |
| caggaatctt | actgatcaca | cggtagttac | aataatgtca | gatatgatgt | atacagtcta | 360 |
| aacgagacag | tccagttaag | aatatacata | atgtaaaaat | acacatatta | aaagttagcc | 420 |
| aagtggacag | acgcatgcgg | gggtgggggg | agcagggtgac | aggaactcct | ttaacaatca | 480 |
| gtagagggcc | cagatgcaaa | gaatctggtt | ttccccgtta | cagtaaacag | ctttcactaa | 540 |
| cgtatacagg | tatttcatac | acatctaaac | acacaagggg | aagttgtgac | ctgctacaca | 600 |
| tagggctctaa | agtggtgtaa | ttgtgatttt | cctgtgatac | tcccaagaaa | actataaata | 660 |
| gtgaacccca | tgcaagtact | gggaagcact | agtcttttat | cacaggttga | acctgaggag | 720 |
| gtttaactct | tgacattagt | atctgtaaag | agcgtacggc | tctttttgct | atgttttctc | 780 |
| cacaactgac | atgcacttgg | tgtgggagaa | ttctgatggc | tgtctgacct | aagagtgata | 840 |
| actactattc | aaaatgtggg | taccttttca | gtaatactga | gttacacatt | taacattaaa | 900 |
| aaaacaaaaa | cgtggatcat | ccacagcttt | aagccggaag | gcagaaggga | gtgtgtctga | 960 |
| atgttaaatgt | tttcagttat | actattttgt | gtttctcccc | ctgtactcca | gagtgcact | 1020 |
| ggtacactgc | tgtcttccgt | aacaacacag | gcactagttt | gaactcagac | aaaacctgaa | 1080 |

| | | | | | | |
|-------------|-------------|------------|------------|------------|-------------|------|
| acagaagaaa | tgccactctt | tctccagggt | cttttaagaa | actcgatcaa | aattataaat | 1140 |
| tattcaagtt | tccttttgag | tgggtgtctt | atgtgtgtaa | ctatctagag | aacaaaccaa | 1200 |
| accagaaatg | tctaccctg | caagagttag | gactttgggt | gtgggtctct | taggagtcag | 1260 |
| ggaccttcag | cagtttacag | tcagggccgt | tttctcacac | agcccgttta | ccctgcgttt | 1320 |
| gtgccaaactg | tgatggcaaa | tgccgttttg | cggggggttg | gcttcacaac | tcaggcctaa | 1380 |
| agatcctctt | agggagatct | ctctagctga | gtagaaaact | tctagcccaa | aaaggcggcg | 1440 |
| ggttctgtga | acctgaagag | aagactcagg | gtctctctga | aagcctttaa | attactgctg | 1500 |
| gaattacaag | ttcctattag | tgagaaaaga | gcattaaaat | aacctgaagg | tctattttat | 1560 |
| tggcaactta | gaatgcaaag | tattttat | ttaaactttt | aaaatttgaa | aacaagctag | 1620 |
| cctacattaa | ataatatagt | ttccaaagct | gaatgtgctc | acttggagct | cagtttttct | 1680 |
| gcttgaaaca | caaacacaac | ttcctaacac | tcctaggtgg | gaacactact | gtttcatgat | 1740 |
| ctgtgattgg | atgaactgat | cgatctcagt | tggtaacatc | cctttttttt | ccttggtaag | 1800 |
| ggttttaaca | attctagaag | agatgcattt | tttctgggtt | tacactgaca | atttcatccc | 1860 |
| gaacgtctcc | tgggaggcat | agaccatgta | caggaatcca | tcttcatctt | tctcactctc | 1920 |
| atacacctct | gagattgggtg | tggagacgct | gaccatgctg | tgtccgttca | ccaacaggaa | 1980 |
| gaaggcctga | ttagcattga | gctgtaagcg | ccttctaatt | atcttgatga | gctcactcat | 2040 |
| gttgacatgg | tcaggtacaa | ggaactttgt | tttatccaga | acaggaagct | gcttctcacc | 2100 |
| cttgatcgt | tctattatca | ccgggatttt | ggttggatgc | tgctctcgaa | taagtccggac | 2160 |
| atcttctact | ctttgttcga | aggtgcggcg | ctgcttgaag | gtcttctccg | acggcatggg | 2220 |
| gcggggatct | gggcggcggc | ggcggcgacg | acgcgaggg | cccggcggt | cccgggggcg | 2280 |
| gcggctgctg | cggcggcgaa | tccgactct | | | | 2309 |

<210> 7730

<211> 1435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (61)...(761)

<223> similar to gi4704419 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7730

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|-----|
| ggaggaattc | ctgtccctac | cacaggcagt | gaacggcggc | tgtcagggga | cctcagctcc | 60 |
| atgccaggcc | ctgggactct | gagcgtccgt | gtctctcccc | cgcaacccat | cctcagccgg | 120 |
| ggccgtccag | acagcaacaa | gaccgagaac | cggcgtatca | cacacatctc | cgcgagcag | 180 |
| aagcggcgct | tcaacatcaa | gctgggggtt | gacacccttc | atgggctcgt | gagcacactc | 240 |
| agtgcacagc | ccagcctcaa | ggtgagcaaa | gctaccacgc | tgcagaagac | agctgagtac | 300 |
| atccttatgc | tacagcagga | gcgtgcgggc | ttgcaggagg | aggcccagca | gctgcgggat | 360 |
| gagattgagg | agctcaatgc | cgccattaac | ctgtgccagc | agcagctgcc | cgccacaggg | 420 |
| gtacccatca | cacaccagcg | ttttgaccag | atgcgagaca | tgtttgatga | ctacgtccga | 480 |
| accggtacgc | tgcacaactg | gaagttctgg | gtgttcagca | tcctcatccg | gcctctgttt | 540 |
| gagtccttca | acgggatggg | gtccacggca | agtgtgcaca | ccctccgcca | gacctactg | 600 |
| gcctggctgg | accagtactg | ctctctgccc | gctctccggc | caactgtcct | gaactcccta | 660 |
| cgccagctgg | gcacatctac | cagtatcctg | accgaccggg | gccgcatccc | tgagcaagcc | 720 |
| acacgggcag | tcacagaggg | cacccttggc | aaacctttat | agtcctggcc | agaccctgct | 780 |
| gctcactcag | ctgccttggg | ggctgctttc | cctgggcacg | ggctccaggg | atcatctctg | 840 |
| ggcactccct | tcttgcccca | ggccttggct | ctgccttcc | ctgggggggtg | gagcagggtc | 900 |
| caggtttcac | acttgccacc | tcttgagggt | caagaagagc | agagtcctccg | tccttgcctc | 960 |

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|------|
| gccactgtgc | tccagcaccg | tgaccttggg | tgactcgtcc | gctgtctttg | gaccgctgtg | 1020 |
| tttcaatctg | caaaatgggg | atggggaagg | ttcaatcagc | agatgacccc | caggccttgg | 1080 |
| cagctgtgac | attggggggc | taggctggca | actccggggg | ctcaacgggtg | gaaagaggag | 1140 |
| gatgctgttt | ctctgtcacc | tccacttget | ccccgacagg | tggggcacag | acctctgttc | 1200 |
| ctgagcagag | aagcagaaaa | ggaggttccc | tctctctgct | ccttcactgc | tgaccagag | 1260 |
| gggctgcagg | atggtttccc | ctgggagagg | ccaggagggc | ctgatcccag | gagacaccag | 1320 |
| ggccagagtg | accacagcag | ggcaggcatc | atgtgtgtgt | gtgtgtgtgg | atgtgtgtgt | 1380 |
| gtgggttttg | taaagaattc | ttgaccaata | aaagcaaaaa | ctgtcaaaaa | aaaaa | 1435 |

<210> 7731

<211> 2075

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (155)...(1672)

<223> similar to gi2677802 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7731

| | | | | | | |
|------------|-------------|------------|-------------|-------------|-------------|------|
| gctaaaaagg | acgcgccggt | cccacaagga | ttttggacaa | gcccaggagg | cgaaccgcac | 60 |
| tcggcgaacc | tgggagctgg | cgcgaagcct | gctggtaatg | cgcttggtgcg | cctggccccgc | 120 |
| gctgctggcg | cgccacgagc | agctgctgta | tgtttccagg | aaacttctag | gacagaggct | 180 |
| attcaacaag | ctcatgaaga | tgaccttcta | tgggcatttt | gtagccgggg | aggcccagga | 240 |
| gtccatccag | cccctgcttc | ggcactacag | ggccttcggt | gtcagcgcca | tcctggacta | 300 |
| tggagtggag | gaggacctga | gccccgagga | ggcagagcac | aaggagatgg | agtcctgctc | 360 |
| ctcggctgcg | gagaggggatg | gcagtggcac | gaataagcgg | gacaagcaat | accaggccca | 420 |
| ccgggccttc | ggggaccgca | ggaatggtgt | catcagtgcc | cgcacctact | tctacgccaa | 480 |
| tgaggccaag | tgcgacagcc | acatggagac | attcttgccg | tgcatcgaag | cctcaggtag | 540 |
| agtcagcgat | gacggcttca | tagccattaa | gtcacagca | ctggggagac | cccagtttct | 600 |
| gctgcagttc | tcagaggtgc | tggccaagtg | gaggtgcttc | tttcaccaa | tggctgtgga | 660 |
| gcaagggcag | gcgggcctgg | ctgccatgga | caccaagctg | gaggtggcgg | tgctgcagga | 720 |
| aagtgtcgca | aagttgggca | tcgcatccag | ggctgagatt | gaggactggg | tcacggcaga | 780 |
| gaccctggga | gtgtctggca | ccatggacct | gctggactgg | agcagcctca | tcgacagcag | 840 |
| gaccaagctg | tccaagcacc | tggtagtccc | caacgcacag | acaggacagc | tggagcccct | 900 |
| gctgtcccgg | ttcactgagg | aggaggagct | acagatgacc | aggatgctac | agcggatgga | 960 |
| tgtcctggcc | aagaaagcca | cagagatggg | cgtgcggctg | atgggtggatg | ccgagcagac | 1020 |
| ctacttccag | ccggccatca | gccgcctgac | gctggagatg | cagcggaagt | tcaatgtgga | 1080 |
| gaagccgctc | atcttcaaca | cataccagtg | ctacctcaag | gatgcctatg | acaatgtgac | 1140 |
| cctggacgtg | gagctggctc | gccgtgaggg | ctggtgtttt | ggggccaagc | tgggtgcgggg | 1200 |
| cgcatacctg | gcccaggagc | gagcccgtgc | ggcagagatc | ggctatgagg | accccatcaa | 1260 |
| ccccacgtac | gaggccacca | acgccatgta | ccacaggtgc | ctggactacg | tggttgagga | 1320 |
| gctgaagcac | aacgccaaag | ccaaggtgat | ggtggcctcc | cacaatgagg | acacagtgcg | 1380 |
| cttcgcactg | cgcaggatgg | aggagctggg | cctgcatact | gctgaccacc | aggtgtactt | 1440 |
| tggacagctg | ctaggcatgt | gtgaccagat | cagcttcccc | ctggggccagg | ccggctaccc | 1500 |
| cgtgtacaag | tacgtgccct | atggccccgt | gatggagggtg | ctgcccact | tgtcccgcgcg | 1560 |
| tgccctggag | aacagcagcc | tcatgaaggg | cacccatcgg | gagcggcagt | tgctgtggct | 1620 |
| ggagctcttg | aggcggctcc | gaactggcaa | cctcttccat | cgccctgcct | agcaccgcgc | 1680 |
| agcacacctt | cagcctccag | cacccccgcg | ccccgcccag | gccatcacca | cagctgcagc | 1740 |

| | | | | | | |
|-------------|------------|------------|------------|-------------|------------|------|
| caaccccatc | ctcacacaga | ttcacctttt | ttcacccac | acttgacagag | ctgctggagg | 1800 |
| tgaggctcagg | tgccctccag | ccctgcccag | agtatgggca | ctcaggtgtg | ggccgaacct | 1860 |
| gatacctgcc | tgggacagcc | actggaaact | tttgggaact | ctcctcgaat | gtgtgggccc | 1920 |
| aaggccccca | cctctgtgac | ccccatgtcc | ttggacctag | aggattgtcc | accttctgcc | 1980 |
| aaggccagcc | cacacagccc | gagccccctt | gggagcagtg | gccgggctgg | ggaggcctgc | 2040 |
| ctggtcaata | aaccactggt | cctgcaaaaa | aaaaa | | | 2075 |

<210> 7732

<211> 1588

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (480)...(341)

<223> similar to gi3288513 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

| | |
|------------|------|
| <400> 7732 | |
| tttttttttt | 60 |
| aacgagaaga | 120 |
| tccccatttt | 180 |
| gtgacaaggc | 240 |
| agggcgggag | 300 |
| gcagggagcc | 360 |
| tccccagctg | 420 |
| ggcttgtgtg | 480 |
| tgtcccaatc | 540 |
| cccgggtgtt | 600 |
| cccctccagc | 660 |
| agagcgagtt | 720 |
| tcgatacctc | 780 |
| ttttaatttt | 840 |
| aacagttgtc | 900 |
| tgtaaaaatg | 960 |
| caacaaaaaa | 1020 |
| tctcgtgccc | 1080 |
| ctctcgggga | 1140 |
| gccaagtctt | 1200 |
| taagatgagg | 1260 |
| ggtttcaaaa | 1320 |
| tgacgttccc | 1380 |
| cagctctatg | 1440 |
| cccagggcca | 1500 |
| aggcagggag | 1560 |
| atggagaagg | 1588 |

```

<210> 7733
<211> 1129
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (567)...(191)
<223> similar to gi913978 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7733
tttttttttt ttgtggcaac acgtttaatt ctgtggccag gctagcctgt ctccaaggcc      60
tggtaggacag cacgtcacca gaggtgccg caggagcagg cagggccagc cctgcaagag      120
gagtgcaggc aaaggcgggg gctctgaagt ggctgctgga ggcagcaggc cccgggctgg      180
gagtgtcag tagccgtcgt tagcccaggt gacctcgtag tcgggggtact tggctttgat      240
tttctcagtt gaaatggcgt gctgggcagg accataggcc atggaatagc cgtacacgtg      300
aatcttcttg tcctgactct ggtgggagat gcgcccgcg cccagacact cacagtgcga      360
gccttgcttc tgcattgtgc cgcacacttt gtcgtagatg tccgcatggt actcagccca      420
ctttagaccg cgcacgatct ccttgctctc tgcagccgga gcccgcgagc ggggagccga      480
gtggactcgg atcagcacat acttgaagac gccgtcggag tcgatgtcca catcaggaat      540
gagagcgagg tccgccaccg ccatgttctt cctcccggag tccccctctc ccaccgcacc      600
cgggggccgc ttgtactgcg ggaggcgggc tctgcgagag cgacgaccaa tcccgctcggg      660
gaatgcttcc caaggcccag cgcctcagcc aattgtaccg ccgaccgagg cacgtgctga      720
ccaatcgcaa tccagttcct tgccgccttg cggctccgcc agccccgctt aaaggaaacg      780
tggaatcggg aatgggtggt gatgaaatca gccaacggag aagtctctct ccagcgggggt      840
ccggtggcac ccttggaacg gggcagttag gcggcccgcg aggctgctcg caccacgctt      900
tgccctccag gctcccacct gggaaacgccc cgtcccttggt tccttctctt cctaaccagg      960
tgtcagctct ggccaggccc aggtgctctg ctccccctgt tcagggtcccc tgccccctcg     1020
gctgggagac ttgcatatcg gcctgaagac ctccctgcgg tttttcccag ctccctgcagg     1080
gccagactg cagcggctgg aggcgaaggg acggcagggc gcgtggcgt      1129

```

```

<210> 7734
<211> 1944
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (348)...(1359)
<223> similar to gi4545264 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7734
gggggggttt ggttcgagac cctagtcacc gtgctggaat tccggaagag ctgggtgctg      60
acggcgctgg gcgggtcagg ggcggagagc gtgctaacca atgacttgag ggagtagggg      120

```


| | | | | | | |
|-------------|-------------|------------|-------------|------------|-------------|------|
| gccggggtttg | ggccctcagt | tgctaagggc | tacccgagtg | ggaagcgggt | caagagatgg | 180 |
| ggtgaagggt | ggttcaccgg | ttcttcaagt | cctcagcctt | ctggcccgcg | gaagttaagc | 240 |
| aaccaagagg | cgggcctaag | accggaagca | ggaaggaggg | cgcaggaagc | agggcgccgc | 300 |
| agcctgtcgt | acggtccttc | tgtgggtctg | tcggtgccga | gggcaggatg | gagaagctgc | 360 |
| ggctcctggg | cctccgctac | caggagtagc | tgactcgtca | cccggccgcc | acggcccagc | 420 |
| tggagacagc | agtgcggggc | ttcagttacc | tgctggcagg | tcgattcgcc | gattcgcacg | 480 |
| agctgtcaga | gctggtgtac | tctgcctcta | acctgcttgt | gctgctcaat | gacgggatcc | 540 |
| tacggaagga | gcttcggaaa | aagttgcctg | tgctcgtgtc | ccagcagaag | ctgctgacat | 600 |
| ggctgagcgt | gctggagtgc | gtggaggtgt | tcatggagat | gggagctgcc | aagggtgtggg | 660 |
| gtgaagtggg | ccgctggctt | gtcatcgccc | tcatccagct | ggccaaggct | gtactgcgga | 720 |
| tgctcctgct | gctctggttc | aaggctggcc | tccagacttc | accccctatc | gttccactgg | 780 |
| acagagagac | ccaggcacag | cccccggatg | gtgaccacag | ccctggcaac | catgagcagt | 840 |
| cctacgtggg | gaagcgggtca | aaccgggttg | tgcgaaacct | ccagaacacg | ccgtccctgc | 900 |
| actccgggca | ctggggagct | ccccagcagc | gggagggacg | gcagcatcag | catcacgagg | 960 |
| agctgagtgc | gacccccacc | cccctggggc | tgccaggagac | catcgagag | ttttgtaca | 1020 |
| ttgcccggcc | gctgctgcac | ttgctcagcc | tgggcctgtg | gggtcagagg | tcgtggaaac | 1080 |
| cctggctctt | ggctggtgtt | gtggacgtga | ccagcctgag | cctcctgagt | gacagaaagg | 1140 |
| gcctgacccg | gagggagcgg | cgggagctgc | ggcgccggac | catcctgctg | ctctactacc | 1200 |
| tgctgcgctc | tcctttctac | gaccgcttct | ccgaggccag | gatcctcttc | ctgctccagt | 1260 |
| tgctggccga | ccacgtccct | ggcgttggcc | tggtcacaag | gccgctcatg | gattacttgc | 1320 |
| ccacctggca | gaaaatctac | ttctacagtt | ggggctgaca | gacctcccgg | aaggaggggtg | 1380 |
| tggggagggg | tggggcaggg | agccccctct | ccctaataaa | actgactccg | gcagcgtccc | 1440 |
| agcgtgcggc | ctctccgtgc | ctaccggcca | ggccacacac | agccctggtc | gccaccagcg | 1500 |
| ttcctcccag | gacacccttg | actgcgctct | cctgtgacga | tgccactgca | gcccgcacct | 1560 |
| tgctactgct | gggccaagaa | gccttcacta | ggagtgggat | ccaggctcct | ctcccacaga | 1620 |
| aagcgggtgac | ttcacctcat | ggagcccggg | aagctgcttg | cctcggcagc | cataggagcg | 1680 |
| aacactgctg | ctctctcgct | ggcccctggt | gaggacagga | agcctgaacc | cgggtgatgg | 1740 |
| ctgaacgctg | cccagcgtgt | cttctggctg | gggccctccg | tcctgcccc | tctccgcagg | 1800 |
| gccctgtggc | tctggcagcc | ccaggccatg | gggttgccag | cctccctgtg | acagagcctg | 1860 |
| gtgaacagtg | agcctggctc | ccacgcaagt | ggccctttaa | gccctgcata | ctcggttgag | 1920 |
| agtaaaaggc | ttttctccct | taga | | | | 1944 |

<210> 7735

<211> 911

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (134)...(379)

<223> similar to gi3094014 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7735

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| gccggccgcg | cggtggcgga | gactgtggct | ttaagagcgt | gccgggagcc | cgagccccag | 60 |
| ccgggcccgc | cttcgccgct | gcgcacccca | goggagccaa | gccccacgct | ggccggacag | 120 |
| ggccgcctgt | cgccggtcat | tccaaggaag | tcaaggacga | gcatacctct | ttaactcagt | 180 |
| agttaatgtg | ggctgtgggc | ctgcagaaga | gcgagtgttg | ctaacaggac | tgcatgcagt | 240 |
| cgcagacatt | tactgtgaaa | actgcaaaac | cactctgggc | tggaataacg | aacatgcttt | 300 |
| tgaagcagc | cagaaatata | aagaaggcaa | atacatcatt | gaactagcac | acatgatcaa | 360 |

| | | | | | | |
|------------|-------------|------------|-------------|-------------|------------|-----|
| ggacaatggc | tgggactgat | tggacagcat | ctaccaacc | cagtgtccac | gttgaacgcc | 420 |
| attcaaccga | acattcttcc | caagcgtgag | agagtgactg | aacacttggg | tcccatccca | 480 |
| tttaaggggc | cttgcctatc | ccggggcatc | cctcccaccc | ctgacgcca | tctttcctgg | 540 |
| tgaccggcct | cctaaatcgc | tgtctctctg | tctcttttgc | tttgatctg | tttgtgaagt | 600 |
| tgatcctggg | cttctctctc | tgttctagtt | ttgggctgga | aaacaaaaca | acaaaaggaa | 660 |
| cagatccttg | accggcatgg | cggcagccca | ccttggttaag | ggccccaggg | cccatgcgag | 720 |
| agctgcctga | tggcctcttg | tcaggagagc | cagtggcacg | ggggcgtag | gaagagggaa | 780 |
| aggggaaact | ctaagggtcc | tggcgcgggg | aaggggtgga | aggggtggagg | taggaacaaa | 840 |
| attgcgccgc | tcctgggagac | ctgataactt | aggcttgaaa | taattgactt | gtctaaaagg | 900 |
| acaaagagaa | a | | | | | 911 |

<210> 7736

<211> 3128

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (820)...(2271)

<223> similar to gi4191789 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|------|
| <400> 7736 | | | | | | |
| gcgggcgctc | cctcccgga | tcccggcctc | ccggcctccc | tgggtcccgc | tgggaagggg | 60 |
| tgcaaggaag | ccctccggcg | ctgcgtccg | aggtgggaga | cagcgtcccc | ctccgcccct | 120 |
| cgggtcctgg | cgctcagag | cccggcccag | gccgcggaac | ggtgatgctc | gggcccggag | 180 |
| ggcgggcgcg | gacccctg | tcccgtgaa | aatgtgtgtc | tgacatgcaa | gctcagtggg | 240 |
| gcagagaccc | gtggattgct | gtgccctgcc | ctccggacct | ggatcatgaa | ggtgttggga | 300 |
| agaagcttct | tctgggtgct | gtttcccgct | cttccctggg | cgggtgcagg | tgtggagcac | 360 |
| gaggagggtg | cgcagcgtgt | gatcaaactg | caccgcgggc | gaggggtggc | tgccatgcag | 420 |
| agccggcagt | gggtccggga | cagctgcagg | aagctctcag | ggcttctccg | ccagaagaat | 480 |
| gcagttctga | acaaactgaa | aactgcaatt | ggagcagtgg | agaaagacgt | gggcctgtcg | 540 |
| gatgaagaga | aactgtttca | ggtgcacacg | tttgaaattt | tccagaaaga | gctgaatgaa | 600 |
| agtgaataat | ccgttttcca | agctgtctac | ggactgcaga | gagccctgca | gggggattac | 660 |
| aaagatgtcg | tgaacatgaa | ggagagcagc | cggcagcgcc | tggaggccct | gagagaggct | 720 |
| gcaataaagg | aagaaacaga | atatatggaa | cttctggcag | cagaaaaaca | tcaagttgaa | 780 |
| gcccttaaaa | atatgcaaca | tcaaaaccaa | agtttatcca | tgcttgacga | gattcttgaa | 840 |
| gatgtaagaa | aggcagcgga | tcgtctggag | gaagagatag | aggaacatgc | ttttgacgac | 900 |
| aataaatcag | tcaagggggg | caattttgag | gcagttctga | gggtggagga | agaagaggcc | 960 |
| aattctaagc | aaaatataac | aaaacgagaa | gtggaggatg | acttgggtct | tagcatgctg | 1020 |
| attgactccc | agaacaacca | gtatattttg | accaagccca | gagattcaac | catcccacgt | 1080 |
| gcagatcacc | actttataaa | ggacattggt | accataggaa | tgctgtcctt | gccttgtggc | 1140 |
| tggctatgta | cagccatagg | attgcctaca | atgtttgggt | atattatttg | tgggtgtactt | 1200 |
| ctgggacctt | caggactaaa | tagtattaag | tctattgtgc | aagtggagac | attaggagaa | 1260 |
| tttgggggtg | tttttactct | ttttcttggt | ggcttagaat | tttctccaga | aaagctaaga | 1320 |
| aagggtgtgga | agatttcctt | acaagggccg | tgttacatga | cactgttaat | gattgcattt | 1380 |
| ggcttgtctg | gggggcatct | cttgcggtc | aaaccacgc | agagcgtctt | catttccacg | 1440 |
| tgtctgtcct | tgtcaagcac | accctctgtg | tccaggttcc | tcagggcgag | tgctcggggg | 1500 |
| gacaaagaag | gcgacattga | ctacagcacc | gtgctcctcg | gcatgctggg | gacgcaggac | 1560 |
| gtgcagctcg | ggctcttcac | ggccgtcatg | ccgactctca | tacaggcggg | cgccagtgca | 1620 |

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|------|
| tcttctagca | ttgtcgtgga | agttctccga | atcctggttt | tgattgggtca | gattcttttt | 1680 |
| tcactagcgg | cggtttttct | tttatgtctt | gttataaaga | agtatctcat | tggaccctat | 1740 |
| tatcggaagc | tgcacatgga | aagcaagggg | aacaaagaaa | tcctgatctt | gggaatatct | 1800 |
| gcctttatct | tcttaatggt | aacggtcacg | gagctgctgg | acgtctccat | ggagctgggc | 1860 |
| tgtttcctgg | ctggagcgct | cgtctcctct | cagggccccg | tggtcaccga | ggagatcgcc | 1920 |
| acctccatcg | aacccatccg | cgacttcctg | gccatcgttt | tcttcgcctc | catagggtct | 1980 |
| cacgtgttcc | ccacgtttgt | ggcgtacgag | ctcacgggtg | tggtgttcc | cacctgtgca | 2040 |
| gtggtggtga | tgaagtttct | cctggcggcg | ctggtcctgt | ctctcattct | gccgaggagc | 2100 |
| agccagtaca | tcaagtggat | cgtctctgcg | gggcttgccc | aggtcagcga | gttttccttt | 2160 |
| gtcctgggga | gccgggcgcg | aagagcgggc | gtcatctctc | gggaggtgta | cctccttata | 2220 |
| ctgagtgtga | ccacgctcag | cctcttgctc | gccccgggtg | tgtggagagc | tgcaatcacg | 2280 |
| aggtgtgtgc | ccagaccgga | gagacgggtc | agcctctgat | ggctcggaga | tgatggaccg | 2340 |
| tggaagggaa | gcgtctgtgg | ggagtgagcg | cttagatggc | cagcagctgc | tccttctggg | 2400 |
| aagctcgcac | cttggaaca | gaacagccct | ctagcagagc | gtcagtgcag | tcgtgttatc | 2460 |
| ccggctttta | cagaatattc | ttgtcctatt | ttagaatttt | ccggagtagt | ttatttgtag | 2520 |
| tctgttgatt | atgtgcagta | gacccgggac | actgcgtttt | accgatcacc | ttgaatgtgg | 2580 |
| tgectggatg | tgcccttttt | tttttccctg | aaattattat | aaattttctt | tggggagttc | 2640 |
| atcagttcat | agttttttta | gtaaagaagc | aaaattaaaa | ggctttttaa | aatgtacaac | 2700 |
| ttcagaatta | taatctgtta | gtcaaataat | tgttattaaa | catttctgta | atatgaagtt | 2760 |
| gtaatcctgg | ccgtgagctt | ggaagcttac | ttttgattct | taaagcctat | gttttctaaa | 2820 |
| atgagacaaa | tacggatgtc | tatttgccct | ttattgtaac | ttttaaatga | aataatttca | 2880 |
| tgtcaatttc | tattagatat | atcacttaaa | atatttggtt | ttaaatcaca | agaatatgta | 2940 |
| ttctttaata | aagataattt | atgatcatgg | tataattaat | tgaaatttat | taaaatctgt | 3000 |
| ttttattaat | ttttttgact | tgagcttatc | tttatacaaa | attccagcca | attttttttt | 3060 |
| tttactaaga | tgatttctat | attaacatgc | tattctccaa | gacaccaa | taatgcaggg | 3120 |
| ttaattgg | | | | | | 3128 |

<210> 7737

<211> 1820

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (395)...(1417)

<223> similar to gi3879803 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7737

| | | | | | | |
|-------------|-------------|------------|------------|------------|------------|-----|
| ccgggggggtg | gaattcagct | gcgactgcag | ttctgaagcc | taactgggtg | cccgtgccgc | 60 |
| ctcggagggtg | aagtgtactg | cgctgattgg | cttcaggcg | ccggccgcgt | gtgatgtccc | 120 |
| gggcaacgat | tggctctcgc | ctaccggggg | cttctctcac | cgggactcgg | gactcccggg | 180 |
| aagtggaccg | gcagaagagg | gggctagcta | gctgtctctg | cggaccaggg | agacccccgc | 240 |
| gcccccccg | tgtgaggcgg | cctcacaggg | ccgggtgggc | tggcgagccg | acgcggcggc | 300 |
| ggaggaggct | gtgaggagt | tgtggaacag | gaccggggac | agaggaacca | tggctccgca | 360 |
| gaacctgagc | accttttgcc | tgttgctgct | atacctcatc | ggggcgggtg | ttgccggacg | 420 |
| agatttctat | aagatcttgg | gggtgcctcg | aagtgcctct | ataaaggata | ttaaaaaggc | 480 |
| ctataggaaa | ctagccctgc | agcttcatcc | cgaccggaac | cctgatgatc | cacaagccca | 540 |
| ggagaaattc | caggatctgg | gtgctgctta | tgaggttctg | tcagatagtg | agaaacggaa | 600 |
| acagtacgat | acttatgggtg | aagaaggatt | aaaagatggg | catcagagct | cccatggaga | 660 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|------|
| catttttttca | cactttctttg | gggatttttgg | tttcatgttt | ggaggaaccc | ctcgtcagca | 720 |
| agacagaaat | attccaagag | gaagtgatat | tattgtagat | ctagaagtca | ctttggaaga | 780 |
| agtatatgca | ggaaattttg | tggaagtagt | tagaaacaaa | cctgtggcaa | ggcaggctcc | 840 |
| tggcaaacgg | aagtgcattt | gtcggcaaga | gatgcggacc | acccagctgg | gccctgggcg | 900 |
| cttccaaatg | acccaggagg | tgggctgcga | cgaatgccct | aatgtcaaac | tagtgaatga | 960 |
| agaacgaacg | ctggaagtag | aaatagagcc | tggggtgaga | gacggcatgg | agtaccctt | 1020 |
| tattggagaa | ggtgagcctc | acgtggatgg | ggagcctgga | gatttacggt | tccgaatcaa | 1080 |
| agttgtcaag | cacccaatat | ttgaaaggag | aggagatgat | ttgtacacaa | atgtgacaat | 1140 |
| ctcattagtt | gagtcactgg | ttggctttga | gatggatatt | actcacttgg | atggtcacaa | 1200 |
| ggtacatatt | tcccgggata | agatcaccag | gccaggagcg | aagctatgga | agaaagggga | 1260 |
| agggctcccc | aacttttgaca | acaacaatat | caagggctct | ttgataatca | cttttgatgt | 1320 |
| ggattttcca | aaagaacagt | taacagagga | agcgagagaa | ggtatcaaac | agctactgaa | 1380 |
| acaagggtca | gtgcagaagg | tatacaatgg | actgcaagga | tattgagagt | gaataaaatt | 1440 |
| ggactttgtt | taaaataagt | gaataagcga | tatttattat | ctgcaagggt | tttttgtgtg | 1500 |
| tgtttttgtt | tttatttttca | atatgcaagt | taggcttaat | ttttttatct | aatgatcatc | 1560 |
| atgaaatgaa | taagagggct | taagaatttg | tccatttgca | ttcggaagag | aatgaccagc | 1620 |
| aaaaggttta | ctaatacctc | tccctttggg | gatttaaatgt | ctgggtgctgc | cgcttgagtt | 1680 |
| tcaagaatta | aagctgcaag | aggactccag | gagcaaaaga | aacacaatat | agagggttgg | 1740 |
| agttgttagc | aatttcattc | aaaatgccaa | ctggagaagt | ctgtttttta | atacattttg | 1800 |
| ttgttatttc | aaaaaaaaaa | | | | | 1820 |

<210> 7738

<211> 1251

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (876)...(702)

<223> similar to gi3335367 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7738

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|------|
| ctttgcaata | tgaatatata | tttttcaagt | caaaaaagaa | taaaatactt | caatctgtat | 60 |
| taatgcaatt | tctcttttaa | actttttaac | gttttttaata | tataagagat | atgttacagt | 120 |
| ttcttttaact | ttaataaagc | tgcagtatcc | tggtttcaca | ggaactcctg | gcccttccac | 180 |
| gaacattcaa | aaaggatcca | ctgtgttcta | taataagtat | cataggaacc | caccacacaa | 240 |
| ggggaacaca | ctaaacagtc | cacacatccc | atagcactac | tatcatcttc | atcataatta | 300 |
| ttactgttca | tttttttcta | ctttaagaaa | atggaaaact | tgtgggggtt | tcttcttttg | 360 |
| gaagcttcct | attgaagtaa | agtgtaaaaa | ctatcattac | tagaatgtcg | ccgttcctat | 420 |
| tatttataga | gcatgcattt | caggtgttca | ggtttcccag | gctacagtac | tttttatgca | 480 |
| gatatcctgg | caaattcctt | tacttaaaaa | ttaaatttta | aaaatgagcg | gatactacag | 540 |
| ctttccaagc | tcctctcgga | tctcagagtg | ttggtggggc | cgggaaggag | aaggagaggg | 600 |
| gggggcaccc | agggaggcag | gcgagcgctg | gggaaagagg | atggggaggg | gttccccctt | 660 |
| cccccagcac | ggtgcgcact | agcagcgccc | gctgccttta | agaaaagatg | cggatggcct | 720 |
| gagtgaccgc | ggtgtggcag | accgggcact | cgggctcgct | cttctcacag | atgcgattgg | 780 |
| cgactccat | gcagaagagg | ttgtggccac | agggcaccag | cgcggaatc | acttcgctct | 840 |
| cgaagcacac | ggagcagtcg | cggtgcctt | tacgccgaag | cccggagaag | gaggatgaag | 900 |
| agctggagga | ggagctggac | gaagaggagg | agcacgacgt | gtccgacggc | tgcaagccag | 960 |
| gcagctgtgc | ccccagcccc | ttggcataag | cggcgtaggc | caggcctcct | ccaccggggt | 1020 |

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|------|
| cgctgcgcac | ccggcgagcc | aggtggtgct | ctcccccccc | cggggccatg | tgcaagggtg | 1080 |
| gagacaggcg | cgggcagctg | gtgccagggt | gcagccggcg | gtgcaccaat | agccccaggt | 1140 |
| tggcgttgga | ggggcgactg | gcgccacccc | cggggaagac | cacggaggag | gaagaagcag | 1200 |
| acgaagatgc | agaagaagag | caggaagaag | ataccggagc | tgcagggtccg | c | 1251 |

<210> 7739
 <211> 1448
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (314)...(883)
 <223> similar to gi2911264 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|------|
| <400> 7739 | | | | | | |
| ggagacacac | aaagtagacc | ttgggctccc | agagaagaaa | aagaagaata | aagtgggtcaa | 60 |
| agaaccagag | actcgatact | cagtttttaa | caatgatgat | tactttgctg | atgtttctcc | 120 |
| tttaagagct | acatccccct | ctaagagtgt | ggcccatggg | caggcacctg | agatgcctct | 180 |
| agtgaagaaa | aagaagaaga | aaaagaaggg | tgtcagcagc | cctaggaaag | gaagtaaaaa | 240 |
| gaagccagtc | aaagttgagg | ctccggaata | catccccata | agtgatgacc | ctaaggcctc | 300 |
| cgcaaagaaa | aagatgaagt | ccaaaaagaa | ggtagagcag | ccagtcatcg | aggagccagc | 360 |
| tctgaaaagg | aagaaaaaga | agaagaggaa | agagagtggg | gtagcaggag | acccttggaa | 420 |
| ggaggaaaaca | gacacggact | tagaggtggt | gttggaaaaa | aaaggcaaca | tggatgaggc | 480 |
| gcacatagac | caggtgaggc | gaaaggcctt | gcaagaagag | atcgatcgcg | agtcaggcaa | 540 |
| aacggaagct | tctgaaacca | ggaagtggac | gggaaccag | tttggccagt | gggatactgc | 600 |
| tggtttttag | aacgaggacc | aaaaactgaa | atttctcaga | cttatgggtg | gcttcaaaaa | 660 |
| cctgtccccct | tcgttcagcc | gccccgccag | cacgattgca | aggcccaaca | tggccctcgg | 720 |
| caagaaggcg | gctgacagcc | tgcagcagaa | tctgcagcgg | gactacgacc | gggccatgag | 780 |
| ctggaagtac | agccggggag | ccggcctcgg | cttctccacc | gcccccaaca | agatctttta | 840 |
| cattgacagg | aacgcttcca | agtcagtcac | gctggaagat | taaactctag | agttttgtcc | 900 |
| ccccaaaaact | gccacaattg | ctttgattat | tccatttatg | ctggagatta | caaatttttt | 960 |
| ttgtgaaaaa | atcagatctt | ggtgaggacc | tgcagcagta | agatataaat | aactcccata | 1020 |
| agcttagcgt | tccagtaatg | gaacactagg | cataaatggt | ttattcagtt | gtgcaaatga | 1080 |
| aagccatctg | acagttggct | cacattgaac | acctgtggag | attaaggacg | aggacaacta | 1140 |
| tattgatggg | cttgatgaa | ctggggcagg | gcagctcata | tttcgggagc | caggagaacg | 1200 |
| agtgagtgt | aaaacctcct | gttttctgtg | ttaaacttcc | cgccctgtt | tgagacatca | 1260 |
| gtatgtacag | ttaacttttg | ttgagtgttt | agcagggtact | agggacatac | tagtgttttc | 1320 |
| cttaatgtat | ttaactttca | taattatgaa | atgggtgcta | ttattagccc | catcttatag | 1380 |
| atgaggcaac | tgagggttcag | ggataaagta | ataaaattgc | ctgggggtcac | ccagcccact | 1440 |
| aaaaaaaa | | | | | | 1448 |

<210> 7740
 <211> 1404
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1318)...(142)

<223> similar to gi3777604 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7740

```
tttttttttt ttaaaaagag aaacctttat ttacaacat gggagtccca caggagtaca      60
caaaacacac aatgtgcaca cacacaaaat gaacctttta agtcaatacc atgcgtgctc     120
ctggccgcgc gccacccctc agtgccctat ccgcaccacc atcacagtga cgttgctcggc     180
cgagccccgc tgcaccgcct tgttgccag cctgttgag gctgcttcgt agcgggctgc     240
ggctgcggac ttcccttccc gggctctggat cttttcatcc tcgagacagg acaagatgaa     300
gttcacggct tcttctgggg taaagacct gaagagccca tcacaggcca acaaaatgaa     360
cctgtcattg ggggtcagct ggcagcgtct gatgtcgggc acagaggtga caccgcagcg     420
cttgactgc ccgtcccca tggagcgtga cacctctagc acgccccaaa cagccccatc     480
cctgacgttt cctccagcct tctgtatcct catccgctct tcatactgag ttggattatg     540
ctctttgctg aggcctaaag ctgcatgttt ttgactctcc tcattataac gacacaagat     600
tgcccgacta tctccgaggt tggcaatata aagaatgttg tctacagcca gaacacacgt     660
ggcagtggtg ccatctttcc aggcaggctt ctggctggaa gcttgtttaa ggaactcttc     720
atcagtatgc ttgaaagtgt ccaaaaggca tctcttcacg gttttctcta cactgattac     780
atctccttta ggaaattttc tgattaagtt ttgatgcaa ttctgtgcag caaattttga     840
ggctcgaatt cctccatgtc catcaaaaac agcaaaatat gaaacccgag taatgaggga     900
cgatgggggc ctacactcct cggatgatgc gttcaggatg acgtgggcat cctgcatctc     960
ctccctctca cccttcctgc cagccacata gcccttcaga ccaaagatca ccgaagaggc    1020
tttacaact ttcttttcca caagctcttc actgccattc ttctcttctc cggagggttt    1080
tctctttgct cctttccctt cagtctttac catctgggat attgatgtgg caagagaacc    1140
tgaatcgcca ctgctagcgg gtgggagatc atcaaaaagc aaagggtccc ctgatcctga    1200
gtcagtactg ctggccggag ggaggtcatc aaagagcagg ggtcctttct gagcttcttt    1260
cccggcagcc gggcgcgggc agcgcctcgg ctccggcagg tccccgaaga ggtccatggc    1320
ggaggctggg tggaggcggc agcagcgaca gacactcagc ccgcgagcag cggccgggct    1380
ccacgaaatc gtcgacccgg gaat                                     1404
```

<210> 7741

<211> 1427

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1337)...(963)

<223> similar to gi537235 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7741

```
tgatttatac gtaaaacatg ttagtggtat ttctgcttta cataaactta taaggatttt      60
```

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|------|
| ttattttaag | gatttaaaaa | tataacacag | tcaatataaa | catgtactgg | gaattataaa | 120 |
| ccattctttc | ttctaagcac | tggatgagat | actaaaaaca | tacagtatct | taccaatagc | 180 |
| cattaaaaata | ggctaaaatc | gaaaaagaaa | ccattgtaac | aaggttatta | atcccccaac | 240 |
| tttcaatgct | gagttccttc | atcatccatg | tggcaatcca | gaggatgaca | tctaggcagg | 300 |
| gtgggtaaaa | ttattctggg | aaaatggcca | actgttactt | gggacaaaat | taaggtttaa | 360 |
| ttgctattat | gggttggtcc | atttaaagtt | tttatgtggg | gctatggggt | tccactggag | 420 |
| ctaaaaat | ggcttttaac | tgtttccaaa | tcagaactag | cagaggagag | aagtaaataa | 480 |
| agccaatggc | actcccttca | gaggctcaaa | atgggttagat | tttgatggca | gatttaaccc | 540 |
| tagcgagttt | tcagtcagtc | catttagatg | atcctgtagg | ttcatacaaa | tacactgaac | 600 |
| cgttggttta | acttctcttc | cttcctcaaa | gtttatgata | aagagactca | tccctgtatt | 660 |
| gggagtgact | gacataagtt | cagatctgct | cagagtggct | ggtaagggaac | acttaagggtc | 720 |
| agtcagaaaa | taatcaaaca | gacttctcat | gtaagcacccg | tgactcaciaa | ctaagacact | 780 |
| ggctgcta | cctggaatac | cgctgtctga | attaacttta | gagctgtgat | tttttcctaa | 840 |
| aggaaatata | tctgccaag | aagtttccag | acagttgctt | ggagatcctt | gggaaaactg | 900 |
| ttctttttga | tccgcttctt | tcaggattag | ttgacaaaga | aattcaaaaa | agtctattcc | 960 |
| acgcattttc | acctgggtcca | gcgtctctcc | tccgggcggt | gtaaacacag | ggcactcttc | 1020 |
| cctggctgct | ttggccatgg | ccctcagctc | acttagcgct | ttgccttcta | caaccccgta | 1080 |
| tttcttttcc | cgaagtcttg | agtcatactt | taccgtcata | tctttgcaaa | atttgcttct | 1140 |
| ctccaaaatt | ccatgcattg | tctgctttgt | cctcatgaga | tcaactggaga | aagcatgagt | 1200 |
| aaacttcaca | ttattcagaa | atataccagc | agctgctgct | tgttttaa | atc | 1260 |
| aagaggttca | tctactcctt | gtccttggat | tattttctcc | ttgtttaa | atc | 1320 |
| atgccggaca | acagtcagag | cgaagcgagc | catgttcccc | gagccgcgctc | ccgtcgggtg | 1380 |
| ccccgcgcgcg | cgctgcccc | gcactgcggg | ctacctcccc | cacgaaa | | 1427 |

<210> 7742

<211> 1438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1225)...(621)

<223> similar to gi3288452 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7742

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | ttgcaaaaaa | gtcggcggtg | ttttaatcaa | gtcttcattt | acaacggcag | 60 |
| aattaggaat | tgagtcccac | cgtagctttc | acattgcgtg | ggcagcagct | gtcacacggg | 120 |
| cctgtcgtgg | cactcagccc | atggcacaga | catatgtggc | tcagggcaag | aaccagtggg | 180 |
| tggggctctg | cacaggaacg | ctggcctcgg | gatgggagac | ccggcctgcc | caacactgct | 240 |
| cagagcccct | cccaactctg | acaacaggct | cgggtcagga | ctccccgaaa | tcaggcaccc | 300 |
| tcctgtctca | ctgctgagat | ccccaacggg | ccagacctag | cttggaact | ttcttcacc | 360 |
| tggctggcca | ggaaggcagc | aaacagagat | gatgactcgg | aatgatgggc | tattcgga | 420 |
| tggctagggg | aacaactgtt | tccctactgt | cctggcgggg | cccaccctgg | gctaacgggc | 480 |
| ttcccaaggg | agtcctagt | gctctgggt | cctgaagtcc | ccaaatggga | acctaggctg | 540 |
| agagaagcaa | ggctgtgagg | gcatecaaa | ggctgcctca | ggttttgttc | ctgagaacga | 600 |
| agcgtggccc | cggaggctca | ggcgtgctca | gtggggccag | ggccaccagc | atgggagtgg | 660 |
| gcaggggctg | ccacctgtag | ggggccagca | ctgggctccg | gggacgccag | cagaggggcc | 720 |
| gagaggccat | cagcagagtc | tgtgtcgagg | tccagcctcc | cgtaagcttc | gcacagaggc | 780 |
| aggtcattag | cttcgcaaa | gcttgagctg | gacgagta | actcctctc | cagctcgtag | 840 |

| | | | | | | | |
|-------------|------------|-------------|------------|------------|------------|------------|------|
| agg | tcaatgg | agatctcgtc | tcgcagcgtg | atgagcttcc | ggtcgcactc | ctcctgcagt | 900 |
| gtgcgcagct | gctggttgcg | ctgggtcaatg | gcctcgttca | cggaggggaa | gtcattgagg | | 960 |
| atcaggaaact | gcttgaggtc | ggacaccagc | ttcatcaggg | actcgccggc | tcggatgatg | | 1020 |
| ttggcggctc | gcacatgcat | ctcgtaattg | tcctgttcac | cctgagtggc | ccgtgacacc | | 1080 |
| tgcgtctcgt | cctcaatctt | ggcgggtctt | atgatctcgg | tgaagttgtc | catgatggac | | 1140 |
| ttaatgtcgt | ccttcagccg | cttgtttag | gactgcagca | gcgtctcctt | gctctggggc | | 1200 |
| agggctctct | gctgggccat | ggccgagcct | caagcagcgc | agcggggaga | ccttggaccc | | 1260 |
| gccccagcgc | ccgcacacca | gacgcgcgt | ccgccgggtc | ggcctagggc | ggggtggtca | | 1320 |
| agtgcctctg | cgaccgcac | tttcccgcgt | ctctcccacg | gcctggccct | cccgcgcag | | 1380 |
| tctctcttcc | ccggccgcgc | cggtccgaaa | acctagtcag | ccgcgcgagc | ctctccc | | 1438 |

<210> 7743

<211> 1667

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1138)...(428)

<223> similar to gi5922596 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7743

| | | | | | | |
|------------|------------|-------------|-------------|-------------|-------------|------|
| tttttttttt | ttataaatca | gcaagtattt | atttttaaata | ataaaaacttg | tggttttatac | 60 |
| tcatacatat | ttacaaaaat | gctttgctat | agaaaaatag | aatcaatcac | tgaatccaga | 120 |
| ccaccacagt | ggagaacctc | ctgggtgaagc | tgtgtttttt | cccacactgg | aaacacagag | 180 |
| tagccctgtt | tctgcacacg | ttagtgcacc | gctgctacgt | gtggccgccc | agctgtctgc | 240 |
| aggctgtgcc | gaccactgcc | tctgtctcca | ggaagcagag | gcagaagtga | tccttgetga | 300 |
| ggagggccat | cgagtctccg | cttaaatgcc | agcacagaga | gagcactgca | aagtcgcctt | 360 |
| ccccaggcac | ctgcaccgac | atgcagcccc | ctggggacca | caggtagagc | ctgctgcctc | 420 |
| ccgtgcagat | ggccagccgc | ggctgctgcg | ggtcccactg | aaacgcgcgc | actggggaca | 480 |
| gctgctcgag | caccgcgaac | agcctcagct | tctgaatgtc | ccagaccag | acggcattgg | 540 |
| gaatgttgtc | gttccttgtc | gccaggaagt | agctgtcagg | actaaatgcc | agcattccta | 600 |
| tgccgatttt | cgggtttgct | ctgtcggtaa | caggtttcag | tgtctgtaag | gagactggga | 660 |
| cagaggcgat | ctcatattta | ctctctgagc | tcgggagagg | gccggccccc | gcccggggcg | 720 |
| gcgggaagga | gaggcagccc | agtcccagct | gtgggctctt | ctcggcctcc | ttatacacca | 780 |
| ctatcttggg | atcattaatg | gctgcaggat | gccccaaactc | cgtgatcatt | ttccaagtca | 840 |
| cgtgattaag | gatgcgcacc | tttccatcat | agctcccaac | tgccaggaac | tgactgctgg | 900 |
| ggctccaggc | cacagacttg | atgcccaggg | accactcgta | agcgtgttac | gtggacaaca | 960 |
| accggccatc | caatgagtac | agcagaatct | tgtactccaa | gcagggtgtcc | cacactgccca | 1020 |
| gcacacagcc | gtttggggcc | caactcaatcc | ctgtgagatc | ctgggtgtcc | gtatcaaaat | 1080 |
| gccgcaggag | ctgccaatca | ctgcagacga | agatgtcac | gtaatctttg | cagtcgcgcc | 1140 |
| gttctgccag | cgccatgtag | cggccgtccc | tggtgaaggt | gattccctgc | agacaagctt | 1200 |
| tcgggtattt | gatgtaagac | acggattttg | tgcacaagga | ccagacgggt | atccgcagat | 1260 |
| ggaattccgt | ggtgttgaga | atgtggcgcc | cgccggggct | ccagcacgag | gccaccagcc | 1320 |
| cggctgagcc | ctcgtctatt | ttgcagtgcc | attcgggctg | ctctaaagac | cagacctgca | 1380 |
| ccagccctcg | cttgtagatg | gcgcacagga | tgaagagcga | gtctgccgac | cactcgatgt | 1440 |
| gctggatctg | gtctaggcac | gtgtacagct | gaaggatctg | aagggtgttc | acatcccggga | 1500 |
| ccactaacgg | gtactggaca | caggaagcca | ggtacttgcc | gtccggggag | aacttgca | 1560 |
| gtaagctgga | gagcttgaat | acctcggaga | agttcatggc | cgcgcgctgc | cgcggggcgcc | 1620 |

accctgcgcc cgaaaacccg cgggaccctt gggcgcgac aacagcc

1667

<210> 7744

<211> 5835

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (5686)...(3346)

<223> similar to gi2224681 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7744

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| tttcttagta | tcacaatgga | atgatgagaa | aacaacaaaa | acgtgagtc | tttgcaaata | 120 |
| tctgacaaa | agcagagatc | tcaaggcaat | tggggcgggg | gaggcttgac | agaagtgcc | 180 |
| gagcagttcc | aacgtcacat | ctctccttgg | ctggaatggt | gagaaagggtg | gcactgtcgt | 240 |
| gagctgtcct | tggcaaatc | tgcccatga | gccacgtgcg | cctgggtctg | catgggccac | 300 |
| ccgcgggat | tttctgggtg | gcctcctagg | tacctggg | acacaccct | ccgcctgggt | 360 |
| ccaacgccct | ggggagcacc | gtcccagtc | tcaggtggga | cccagaagcc | agctctgctg | 420 |
| ggcagcgggc | aagatgtgga | ggagcggcag | aggcaggcag | cggtgcttgc | ggggggagaa | 480 |
| gccaaggagt | gtgaccaagg | cccatctggg | agacatctgt | gggtgaagggt | agggctggcg | 540 |
| caggtggcag | cagcagaagt | ccgtgtcccc | aggcagtagc | aggcctagag | cttcacagt | 600 |
| ccagggggca | ggctgtcgtt | gcagagtctg | tagtagcgca | ggctgttgac | cagcctgtgc | 660 |
| acattctggg | tgaatgaggg | caggtcctgg | aaggcagggg | catagctgca | gccaacaaca | 720 |
| caccaggtca | cccaccacc | agaccccaac | agctacttcc | atcccagagt | gtgactgaa | 780 |
| gataggggag | cactttctaa | aactcaaaac | ttctattcac | tggtgactg | cgtgtcacag | 840 |
| agactctgtg | ccaggcgctg | tgggagaaaa | agaacaagag | gaatacgtcc | ctagggcctc | 900 |
| tcgggtgcc | gacactgctg | caatcaacat | acagacatca | actcactgag | tcctcaccac | 960 |
| aaggctgcc | ccaagcccta | ccagaaccac | tagtctaagg | acagaaagac | caaagcgctg | 1020 |
| caccatgaag | aagctggccc | cagctcacac | tgaagagacc | agcacacttg | ctcctgagtc | 1080 |
| cggcccctca | aacgcagaca | tggctgtggt | gacagccctc | ttcttcacca | tggccccttg | 1140 |
| aggtgacg | cacaccgagc | aatgtctgca | gaacctttac | ccacggggct | ccaggccg | 1200 |
| cctgcccctc | gagagccacc | cgagcagcag | caaacacagt | cccaaggcct | gtcccactgg | 1260 |
| gcgcagcgtg | ggccatggaa | ggccctgggc | cagaagttag | gccctgacct | ccgccatcat | 1320 |
| gcacacggtg | agaccctgct | ttttttttca | gtgtaggctc | cggtgaggac | tcaaacaggc | 1380 |
| ccagcaagcc | ccagcagagc | catgagcagg | accaagttca | ttttcctgcc | caaccactat | 1440 |
| tcctcttcca | gaactccatt | caaagcctgc | ctcttcccaa | agtctgcaca | gatgcctcct | 1500 |
| atttctggc | cccagcagcc | agctcagcgc | ctctgtcctg | agcaatctgc | ttctggggag | 1560 |
| tgtgtgcagg | ctctggggcc | agaacaccca | ggctgtcctc | ctgcttcgca | gctctaccac | 1620 |
| ttccaagtcc | tgtgaactgc | tcaccttctg | agccccacc | atctgtgaaa | tgggggagta | 1680 |
| acaggaccca | cacttcagag | gcttggttaga | aggcttactc | gagccaagac | atgtcacatg | 1740 |
| cttggcacta | tgtggtccac | agaggggtgct | gtattggcct | gtctaccatg | aaagacttgg | 1800 |
| tgaaggctgg | gactgggtgcc | ccagttcctg | gcccggggct | tgagaagcag | ctggcttcaa | 1860 |
| acacacagt | cgtagctgaa | tgggaagggtg | tgattctttt | atcttaccct | caaaaaacca | 1920 |
| actaagggat | gtcttttaaa | tcagtggctc | ccaaatgcc | aaccagaatt | tcctgggtag | 1980 |
| aacacagaag | tctgtttctc | catttttaat | aagtaccca | gggtgttctg | atataactag | 2040 |
| attttttttt | ttgagacaaa | gtcccactct | gccgccagg | ctggagtgca | gtggcacac | 2100 |
| ctccgctcac | tgaacctct | gcctccggg | ttcaagagat | tctgtgcct | cagcctccca | 2160 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| agcagctggg | attacaggcg | tgtgccacca | cacctgacta | atttttttta | tttttagtag | 2220 |
| agacagggtt | tgcctatgtt | ggccaggctg | gtctcaaacc | ccctaaccctc | aagtgatccg | 2280 |
| cccgcttgg | cctcccaaag | tgtctgagatt | acagggtgtga | gacaccgcgc | ctggcctata | 2340 |
| actagatttt | gaaaccacag | ctttaaatca | aaaagttgac | tgatattgat | gtcgttagaa | 2400 |
| gctgatcatt | aagtattagg | atctggcctc | tagaaaaagg | aaaaaacata | tccaggggct | 2460 |
| gaagtgaact | ggaagaggct | taggagagaa | caagtcccaa | gaaaagggaag | acccaagac | 2520 |
| aaaggagaac | aggatgagtc | taagcaaaag | cttccctgcc | acacgtggca | aatgaggaaa | 2580 |
| gcaggcgcc | aggtttgcac | cagtgagagc | agtgtgtgca | tctgagcact | acggtggagc | 2640 |
| cgtggacaag | ctgcttcaca | gaggactcag | gtcaagaacc | ccaagaggac | cagggagaaa | 2700 |
| gcgatttctt | ttcctaattt | catcaagtat | aaaacggtag | aaggaaaagt | tcccagaagt | 2760 |
| tctatcagg | caagagagag | gcctggtcac | ctgacacagg | aagaagagaa | caggtgagcc | 2820 |
| ccatggggaa | ggaggtccca | ggcactgtca | ggctccaaca | agatggcctc | atggacacca | 2880 |
| agagccagca | gcacccagct | cccaccgagg | tgtctgcacgg | gtggggacag | cccacctgac | 2940 |
| agtccttgca | caggtggcag | cagtgggaca | agagggtag | tactaggagg | gctcctccca | 3000 |
| ggacctggca | gcaactcagc | ccaagctgag | ctggggctgg | tctggaaaga | gccaagaca | 3060 |
| gccggggaac | ctgggtccca | cctctaacc | tggggacca | gaagtgcagc | tccaagcac | 3120 |
| caaccatctc | agcctgaatg | caagcctggg | cacactccaa | tgctggcccc | accggggctc | 3180 |
| atcacccagg | agggagaacg | gcagggtcct | gggtatgaac | aaagatgcca | agacaaatgg | 3240 |
| aggggctgca | gagccaggaa | ctcgggacct | ccatggctga | gactaagaac | atacgtgcta | 3300 |
| cagacaccaa | gactggggaa | aaggctgtgc | ccctcaatca | ggctacagca | ccaggtcagc | 3360 |
| aggcatctcg | tgagctgccg | ccaagctgca | gggtgggcac | agaccacgcc | cagaggcctc | 3420 |
| aatgtgcccc | ctccttgctg | cacagggtgcc | aggttgctg | gcccactctg | ccctcctctt | 3480 |
| agccggcct | ctttctctcc | tcacccgac | catcttgaaa | ttccgcccc | gcacactttt | 3540 |
| ctggttgga | tccacaccat | cacagctggt | caggaactct | gggaggaagg | cggcaaagaa | 3600 |
| gccatcaaag | tgcactgagg | ccatgttgta | gatggcgatg | ccaatctcct | cctgcagaag | 3660 |
| atcatgggac | ttgtggacca | ggacctggag | cagcacgttc | acaaactgga | acagcatggc | 3720 |
| agtcgggaag | atcttcttgt | ggtacagctt | ctgcttggtg | ttgagagtct | ccaagtagaa | 3780 |
| gagattttgt | ttaaaaaggt | ggatgtcggt | ctggagaaag | gactgtccga | aagcctgcat | 3840 |
| gatggcactg | aactggggct | cattctccat | ctgctcctca | gcgatcccc | tctggacact | 3900 |
| ggccagcacg | gtggacttga | agaagtaact | ccagttgtga | tggagcgtcc | ggaaaaggag | 3960 |
| ctcaaacagc | tgggccttca | catcagggga | gggacgctcg | gcaatgatgg | gatacacttg | 4020 |
| ctccatgcac | agggcgatga | tgtggggag | gaagggttg | aacacctggc | ctggctcctg | 4080 |
| gaccaccacc | tgcaggatct | tcagaaactt | ctccaccacc | cggcagcctg | tgtgtccctc | 4140 |
| gtggaggatg | ctctcggtca | actgtctctc | ggtaaacatg | ttgaggaaag | tctgtatgat | 4200 |
| ttgtctcagt | aaaggcacac | ccatctgtac | tctaaggcct | cgaaacagag | tgagggaagaa | 4260 |
| gctcagcatc | tcacatgctca | catctgactg | atggataaaa | gctggaaaga | gggccaggga | 4320 |
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| cgagatatte | tccacaatat | cttctaagac | gctgagtgtc | tgggtggataa | tcagtttggt | 4440 |
| gtcatccagt | ggcatcttcc | tctgtggggc | aacagcactg | ggcttcagggt | tgcgatagtc | 4500 |
| ccgggagagt | gcagagatga | ggctggcgtg | gttgatggag | cgcacgggcc | actgtctgtc | 4560 |
| attctctgga | aggtttggcc | acggaagcag | caagatgtta | gagagggtct | ggcacaccaa | 4620 |
| cacctggggc | ttatcgacaa | gtcgcagggc | agaggcatca | gtgattctgt | tgaatacttt | 4680 |
| ctgactgca | gggatgctga | tcagaaagac | gggcgcacag | gtggtggcca | gtgagaccag | 4740 |
| taagtggcac | gcagatagca | gcagcttgct | ttggaccttg | gtgctgatta | gaggtgtgat | 4800 |
| tgcattccatg | gtagtagaga | tgagtgtcac | gaactgtgc | gtgttctgcc | ggtgaacttc | 4860 |
| actgcaatac | tgtgctaacc | agttagagta | agcctgcagc | gcagccaggg | actgagcatg | 4920 |
| cacatcaatg | aggtcagggt | tcaatactga | tggcacagca | gtttcaatgt | tgtacaattt | 4980 |
| tatctgagat | ccgtacagag | tgactttgac | caacctttcc | acgactgtga | gggcatcatt | 5040 |
| gaaccgtgca | gcaaacacat | ccccgataaa | gtactcggcc | aggcggcccc | cggcctgcag | 5100 |
| cagggagctc | aagtctctca | gggagcagtg | cagccgcggg | cagtcgttct | ccgccgtgat | 5160 |
| gttcaacctg | tgtcctgacc | ctgaagtgc | tataaactgt | tgtaatccca | aataaacttc | 5220 |
| taaattgtcc | tgaagaacag | ggaacagagt | ggagaaggcg | tgcgtgggca | ggagctccat | 5280 |
| cactttggcc | accacctcca | agctctgcgc | taagtaccgc | tgccactccg | tctgtctgatc | 5340 |
| gtcatccaga | gtctcatcat | ccaactcctc | cagctgggct | tggttgtatc | tgaactggat | 5400 |
| tcgattcaac | acctctgtga | gcaggagcac | cagggcatct | tcgtacctgt | tgagaactgc | 5460 |
| ttccttgtct | ccaagacgac | ttttaatttt | acttgtcaga | tagtccaaaa | acagcgtcca | 5520 |
| gatatccaaa | caagagaagt | aaccttcatg | agtaggctga | tgaaatgtgt | acttgaacaa | 5580 |

| | | | | | | |
|-------------|------------|-------------|-------------|------------|------------|------|
| aagtgtcaaa | aactccacca | cagggaaactg | ggagtaagac | tcgattcttc | ttaggtgaac | 5640 |
| actcaciaaag | agccgaagaa | agtcagtaaa | cttctcgcata | tagctctcat | cgagctcttc | 5700 |
| tagcctgctc | ttcactgtgt | gggcattgtt | atccttggtg | attttctgca | ggaggtagaa | 5760 |
| agtcccctgg | aacatacgca | gtaaatactc | ctcaaattcc | ataggcacac | agttcttgga | 5820 |
| catcccacgc | gtccg | | | | | 5835 |

<210> 7745

<211> 2478

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (198)...(1752)

<223> similar to gi35871 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7745

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| cgcctagggg | tggggctctc | gctcaggcac | agagaccgca | caccgagcgg | cggcttcccc | 120 |
| gggatcgagg | gacgcgcacg | ccagaggaga | cgaaaggaac | ccgggtcgga | ccagatcgga | 180 |
| accactgacc | attgcccatt | gcggccctag | gccctagcag | ccagaatgtc | actgaatacg | 240 |
| tcgttcgagt | tcctaagaat | acaacaaaaa | aatataacat | catggctttt | aatgcagccg | 300 |
| acaaagtcaa | ctttgctacg | tggaatcagg | ctcggctgga | gcgggaactg | agcaacaaga | 360 |
| aaatctacca | agaggaggag | atgcccgaa | cgggcgcggg | cagtgaagtc | aaccgcaagc | 420 |
| ttcgggagga | ggctcggagg | aagaagtacg | gcacgcgtct | caaggagttc | cggcccaggg | 480 |
| accagccctg | gctgctccgg | gtcaacggca | aatcaggcag | gaagttcaag | ggcatcaaga | 540 |
| agggaggcgt | aacagagaac | acgtcctact | acatcttcac | ccagtgcctc | gacggggcct | 600 |
| tcgaggcctt | ccccgtgcac | aactggtaca | atttcacacc | gctggcccgg | catcgcacgc | 660 |
| tcactgccga | ggaggccgag | gaggagtggt | agaggaggaa | caagggtgct | aaccacttca | 720 |
| gcacatcgca | gcagcggcgg | ctcaaggatc | aggaccagga | cgaggatgag | gaggagaagg | 780 |
| agaaacgtgg | ccgcaggaag | gcgagcgagc | tgcgcattca | cgacctggag | gacgacctgg | 840 |
| agatgtcgtc | cgatgccagt | gatgccagtg | gtgaggaggg | gggcagagtc | cccaaggcca | 900 |
| agaagaaggc | gccgctggcc | aagggcggca | ggaaaaagaa | gaagaagaag | ggttcagacg | 960 |
| acgaggcctt | cgaggacagc | gatgatgggg | acttcgaggg | ccaagagggt | gactacatgt | 1020 |
| cagacgggtc | cagtagctcc | caagaagagc | ctgagagcaa | ggccaaggcg | ccgcagcagg | 1080 |
| aggaggggcc | caagggtgtc | gatgagcaga | gcgacagtag | tgaggagagt | gaggaggaga | 1140 |
| agcgccttga | ggaggacaag | gaggaggagg | aggagaagaa | ggcaccacc | ccgcaggaga | 1200 |
| agaagcgtag | gaaagacagc | agcgaggagt | cggacagctc | agaggagagc | gacattgaca | 1260 |
| gcgaggcctc | ctcagccctc | ttcatggcga | agaagaagac | gccaccacaag | agagagcgga | 1320 |
| agccgtcggg | agggagctca | aggggcaaca | gccgcccagg | cacgcccagc | gcagaggggt | 1380 |
| gcagcacctc | ctccaccctg | cgggcggctg | ccagcaaaact | cgagcaaggg | aagcgggtga | 1440 |
| gcgagatgcc | tgcagccaag | cgggttcggc | tggacacggg | accccagagc | ctgtctggga | 1500 |
| agtcgacacc | ccagccacca | tcaggcaaga | caacacccaa | cagcggcgac | gtgcagggtga | 1560 |
| ctgaggatgc | cgtgcgccgc | tacctgacac | ggaagcccat | gaccactaag | gacctgtctga | 1620 |
| aaaagtcca | gaccaagaag | acagggtctga | gcagcgagca | gacagtgaac | gtgttgcccc | 1680 |
| agatcctcaa | gcgactcaac | cccagcgca | agatgatcaa | cgacaaaatg | cacttctccc | 1740 |
| tcaaggagtg | aggcttggtc | caatacatgg | ctctgcccc | cagaacttaa | ggctctcact | 1800 |
| gccccttcgc | catcctagag | tgaggctctg | tccaatacat | ggctctgccc | tccagaactt | 1860 |
| caggctctca | gtgacccttc | gacatcctgc | ttgctccctg | actcccaggg | ccccgtagtt | 1920 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| agcaattctg | gaaaagttaa | gccatctcct | cctctggccc | ttccttctgg | aatcttcaga | 1980 |
| tgctgttag | gccttcttat | tgctctcctc | ctcctggctc | ggcctccctc | acactgacca | 2040 |
| agggcctgtg | ctgcccactg | ggtaacttct | acagttctcc | cttcacttc | cctaagtctc | 2100 |
| tcttcagctg | tgacttatcc | accacatagc | ccagtaagtc | ttcagttttg | gctgggcatg | 2160 |
| atggtgagcg | cctgcagtcc | cagctacttg | ggaggctaag | cccagttcaa | ggctgcagtg | 2220 |
| aactatgatg | gtgccactgc | attccagcct | gggtgacaga | atgaaatcct | ggcacaaaaa | 2280 |
| aaaaaaaaag | tacccaggct | tggggggggg | aaccttgttg | ccccactttt | cccgtaggct | 2340 |
| gaggcacaaa | attcacttga | ccctggaagg | ggggggttgc | tgtgagctga | caccacccca | 2400 |
| ctgcactcca | gcctggggga | cacgtgagac | tttgtctcat | taattaaata | ataataataa | 2460 |
| attgctcaga | aaaaaaaa | | | | | 2478 |

<210> 7746

<211> 1886

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (78)...(1835)

<223> similar to gi3387942 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7746

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| atgttcctga | ggacacattc | ctggctgttt | ggaacctcat | catcttcaag | gagcaagggg | 120 |
| gaacttttgg | ggaccactgc | ccagacaaaa | gtgtgactgt | gtatttccgg | tccggggcac | 180 |
| cccctgtcat | caatcccctg | catacacact | tcccagggga | cacagctgtg | cctggggttt | 240 |
| tctcactgac | cctcagctgg | acactgcccc | accgcacctc | aggcatcttt | aacgtcagca | 300 |
| gccccttacc | tggggactgg | ttcttggtcg | cccaccttcc | ccaggcccac | ggccacatct | 360 |
| ctgtcaaggg | tctccaggat | gagtgtcagt | acctccttca | gccgcagctg | attgtccggc | 420 |
| gtttgctgga | cgtegctgtg | ctggttcctg | gccggccctc | agagcaaacc | ctctccccac | 480 |
| acaatcgctc | agccctgtac | aaggtctttg | tgcccagctt | cacttacagg | gtttcagcac | 540 |
| agctggtgtg | tgtggggggc | cgtgggggtat | ctgectgccc | cctgtcactg | cgtctgcgtc | 600 |
| ccaaagcccc | accctgcac | aactcaagct | ctgtggcctg | tggaggtgcc | tcaggatgcc | 660 |
| agctggagct | ggcactgccc | ccctgggggc | actgggtcta | cgtgcgtgtg | gaaacatcat | 720 |
| cccggggccc | tggtaggacc | atccgcttcc | agctgtgtgt | gcagttgcaa | gagtggccac | 780 |
| agcccggcct | gctccgagcc | ctgggtccctg | gagctgccat | gaacatgccc | cagtccctgg | 840 |
| gcaaccagcc | actgccccca | gaaccgccat | cccttggaac | ccctgcggag | gggcctggga | 900 |
| ccacgtcccc | acccgagcac | tgctggccag | tgcgccgac | tctgcgcaac | gagctggaca | 960 |
| ccttctctgt | ccacttctac | atcttctttg | gcccagtggt | ggcccttccc | cctgagcgcc | 1020 |
| cagccgtgtt | cgccatgagg | ctgttgccag | tgctggacag | tggaggcgtc | ctcagcctgg | 1080 |
| agctccagct | caatgcgagc | tccgtgcgcc | aggaaaacgt | gacgggtgtt | ggatgcttga | 1140 |
| ctcacgaggt | gcccttgagc | ctgggggatg | cagcagtgc | ctgttccaaa | gagtcctctg | 1200 |
| ccggcttcc | cctctctgtc | agtgccacca | ccagggttgc | caggctgcga | atcccatctc | 1260 |
| cgagagcggg | gacctgggtc | ctggccctcc | gctccctgtg | cgggggtggg | cctcgggttc | 1320 |
| tgcggtgccg | caacgcgacg | gccgaggtgc | ggatgcgcac | cttctgttcc | ccatgcgtgg | 1380 |
| acgactgcgg | gccctacggc | cagtgcgaagc | tgctgcgcac | acacaattat | ctgtacgcag | 1440 |
| cctgcgagtg | caaggccggg | tggagaggct | ggggctgcac | cgacagtgc | gatgcgctca | 1500 |
| cctatggatt | ccagctgctg | tccacactcc | tgctctgcct | gagcaacctc | atgtttctgc | 1560 |
| cacctgtggt | cctggccatt | cggagtcat | atgtgctgga | agctgcagtc | tacaccttca | 1620 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| ccatgttctt | ctccacggt | tgcggtggt | tctgcatctt | atcactgggt | gcttgtgcat | 1680 |
| ggtgggtggg | cacagtctgt | atttcacca | cgttctccga | gggtttggga | atgtctgtgc | 1740 |
| cttcactgtg | tcttctacag | acagagacag | cagtgcctcc | caaactgtca | tgcatagata | 1800 |
| atggtcattt | ttgtaagaca | cattggagta | aatgaacaaa | actgtttgca | acttaataaa | 1860 |
| gtaagtttgg | gcctccaaaa | aaaaaa | | | | 1886 |

<210> 7747
 <211> 901
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (828)...(470)
 <223> similar to gi2706620 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 7747 | | | | | | |
| tttttttttt | ttctttacaa | agataatctt | tattcataat | cacaggccac | aggggtgaga | 60 |
| cctgaggttt | gggttctgtg | gtgaaggaga | acccctgtcc | tctgtccct | tgccctgggc | 120 |
| ctctgctggc | tgaggaggga | caaggtgagg | gggcccccat | ggtgctcaga | caaccagagc | 180 |
| ctccctggca | gggcaggagt | gtgggtgcca | cagagacaag | ccccttgag | agctgacctg | 240 |
| gagccacca | tcccatagc | ctgtgtgagc | atgaagcgag | gacccccggg | tgggctgtgc | 300 |
| cctgggcttg | tactgatgc | cagtggaggc | tggcacctgc | ccctctcggc | acctgagaca | 360 |
| gtgagggaag | gtagctgctg | ccgtgaagaa | caaagatgct | ctgagcacac | acttgctggg | 420 |
| gctgagctga | ggggcacacg | gaggcaggcc | ctgcccgctg | tctggtcagc | tgtccctgcc | 480 |
| gccgctactt | ttctggtctg | gggctgtagc | cttggtcagg | ttcccagctt | ccctcttgag | 540 |
| aacgctgagc | aaagtctggg | agctctccag | gatcttgagg | taggcggcct | ccgtctccgc | 600 |
| gatggtccgg | tgaactcgt | tgcgagaggc | aatcttgctg | gccaggttct | cgttgacgcg | 660 |
| ggccagcttc | tctgtcagct | gcctcacctc | attctgcagc | cgctgcttct | cgctctctct | 720 |
| ctcctggatc | tgccggcaca | gctcctcccg | cttctggcac | agctcctcta | tgcacttgac | 780 |
| cagctcgctg | ttgtagttct | gcagcgccgc | gcctgctggg | gtcatggtca | acgcgcgccg | 840 |
| gggccccacc | accccaaccg | ccgcggaagc | agcgtgtctc | gcgcctgcgc | acgactcccc | 900 |
| c | | | | | | 901 |

<210> 7748
 <211> 1340
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (8)...(1063)
 <223> similar to gi5911911 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7748
ctttgaagaa gatgaagaca ggaacttggtg tctaatagca tatccattga aaggggacca      60
tggaattgtg gacattgtag ataattcaga ctgtgaacca aaaagtaagc tcctaagggtg     120
gacaacaaac aaaaaacatc atgtcttaga aacagaaaag acccctaagg actgggtgctg     180
tcagcaccgt aaagaggaga aaatgaagag ccataagtta gaagaagaat ttgagtggct      240
aaagaaatct gaagtcttgt actacactgt agagaagaag gggaaatataa gttcccagct     300
taaacactat aacccttgga gcatgaaatg tcaccagcaa cagttacaga gaatgaagga     360
gaatgcaaag catcggaacc agtacaaatt tatcttactg gaaaacctga cttcccgccta     420
tgagggtgct tgtgtccttg acctcaagat gggcacacga caacatgggtg atgatgcttc     480
agaggagaag gcagccaacc agatccgaaa atgtcagcag agcacatctg cagtcattgg      540
tgtgcgtgtg tgtggcatgc aggtgtacca agcaggcagt gggcagctca tgttcatgaa      600
caagtaccat ggacggaagc tatcggtgca gggcttcaag gaggcacttt tccagttctt     660
ccacaatggg cggtagctgc gccgtgaact cctgggccct gtgctcaaga agctgactga      720
gctcaaggca gtgttgagc gacaggagtc ctaccgcttc tactcaagct ccctgctggg      780
catttatgat ggcaaggagc ggcccgaagt ggtcctggac tcagatgctg aggatttgga      840
ggacctgtca gaggaatcag ctgatgagtc tgctgggtgcc tatgcctaca aaccatcgg      900
cgccagctct gtagatgtgc gcatgatcga ctttgcacac accacctgca ggctgtatgg      960
cgaggacacc gtggtgcatg agggccagga tgctggctat atcttcgggc tccagagcct    1020
gatagacatt gtcacagaga taagtgagga gagtggggag tgagcttgct agctgctcca    1080
gtacttgaga gcgactctgt gtcccaggca cagctgtgct gcgtcaggga ggaagccagt    1140
atggccaggt ggtggctcct gcagcctgga gctgatgtgc agtggcctct gtgagcccca    1200
gcctgagcca gtcccagctg tgcttgagtg ctttatattt tttaactatt ttcttcaaac    1260
attccacatt tggatggatg atacctcttt cttccctgag tgtatatgtt ctaatacaaa    1320
tctttttgtt tattgtaaaa                                1340

```

```

<210> 7749
<211> 3203
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2869)...(1061)
<223> similar to gi297408 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7749
tttttttttt ttcaattttt tttggaaggg caagacagcc attaaagaac aatacagctc      60
agagggaagg gagatacagc aaacaattac acaaacgcag tatgcacgct ccttgccgac     120
agggctgccc agtatgcacg ctccttgccg acagggtgct ccagacggca aacctcttca     180
tggaatcatg gttaaaaataa aaggacttgg cctgcattcc ccaggagagc cccctattcc     240
actgtagaca gctctcctca cgaatttttt gaaagaaccc aaggactccc ctttctggta     300
gtcgaaacct gtgcattcct tggtgacctc cggagagaga acatggggccg gcagtgggga     360
cagagggcac cgggactctg ctgggtgtag tgcttcacat tcagaaccgc ctggatgctt     420
tgcatagtta cctctgatat cacaagatgc gtcaggaaga gaaacgacac gcacaccatg     480
agggaggcag ccctcaagca gcgattcctt ttcaaagaaa gaccaggggg cttctccctt     540
ctcattcag agctgacagc tatgagcttt aaccgggttc aaagtggaag acaaagttag     600

```

| | | | | | | |
|-------------|-------------|------------|-------------|------------|-------------|------|
| agatatctca | taaaaatttc | ggccagaaca | aaaaaaaaaa | gtaaaattaa | ttttccttaa | 660 |
| agacaactag | aaagaaaagg | gtccccccaa | cccacctttt | tttttttttt | acttgaaatc | 720 |
| tgccagccag | acaggatttc | tgaggttaat | ctgcttctgt | taatcctcaa | tttaagcctt | 780 |
| tatcattttt | ctctgactag | agacatccat | gaaaagccac | ctgttattca | caggggctgc | 840 |
| gcttcaggaa | accaaccaaa | tgcagaagca | gagaacttaa | atattgtaaa | taagttaact | 900 |
| gggcatgaaa | atacaatgcc | ttggtgttca | ggtggtgaca | actgctcttt | aagaggggac | 960 |
| aagaaattgg | ggggtagggg | acacatggga | aaaaaccaca | catttttttg | tcatgagaaa | 1020 |
| ttggacttta | aatccgcgcc | ctgcacacgc | aattcattta | gaccttttcg | tgaatcttct | 1080 |
| ccactttcac | aaacaacctt | tccagatcat | tcctcaggtc | atctagtaaa | cccttggtctg | 1140 |
| attccagatt | gttctcgttg | gtttctattt | tgaccgagta | tgcaacccaa | ctgtccacag | 1200 |
| cagtcccgag | cattttcaag | tccgcctcca | cttggtctgac | tgaggctttc | aggttgctcta | 1260 |
| gagaagaaaag | tctgtccagg | aagtcccgag | gaggcagacg | ggcggcctgg | gcttggtcct | 1320 |
| gactgagcag | cgtgtgcacc | tgctcctgca | ccttctggag | tgattccacg | gtgctgggga | 1380 |
| gctcgccccc | actcctcttc | agctcctcca | cgtcaccgta | gagcaccagc | tgggtctcgc | 1440 |
| ccaggctcct | caccgtgctg | gccaggccat | cctggtctgc | ctctgaggac | ccgaggcctt | 1500 |
| ccaggcgccc | ctgcaggggc | gccaggcgct | gctcgtgctc | ctggctcttg | gacaggaggg | 1560 |
| actccaggct | ctcggctcgg | cgcgcagaag | ccacctgcat | ggagagcacc | ccatcctcca | 1620 |
| cgtgctggag | cctggagctc | agtccctgac | tcttttgctg | gagtgcctca | aaggcttccg | 1680 |
| agtgtctgaa | gcctccgtcc | tccttcggcc | cgtgggaatc | ggacttcagc | tggcggagct | 1740 |
| cttcctccag | tctccggatc | tcctccggga | ggcgggagac | ggactcctca | gacctgagaa | 1800 |
| gcttctccgt | gagggcctgc | agggcgagcc | gctccgtgtc | ggcgcctcc | ttgaaagcct | 1860 |
| gctgctcctg | cttgaggctc | accagctcgc | ggacctcggg | gtagatgtca | gactccatag | 1920 |
| tctgaagggt | acttctcagg | gcctccatgt | cccactctct | ggacttggct | gaggtctgta | 1980 |
| tctccttcac | agcttccctt | aaggctttca | aatcctgctt | gttccctca | gattcttcca | 2040 |
| gggaggcaac | ctttgccttc | atgtcattga | tctccttctg | gctcctcttc | tggacttctg | 2100 |
| tgaagatggc | gatgttgctg | ttgatggatt | tggtagctc | cgtcagccgc | tcctccaccg | 2160 |
| tgttctccag | ggacgtgaag | tcccgcctcc | gggcgtcctt | caccacatgg | atcccatccg | 2220 |
| agaggctctt | gagaatctca | ttctggagtt | tctgcagcac | ttcgctgatc | cggctgacct | 2280 |
| cactctcccc | ttgcttcaca | gctttctctg | tgaggctctg | tttatgttgg | gagcttctca | 2340 |
| agatggactc | aaaagtcca | aatgtggctt | gcaaagactg | caccttctgc | tcgacgcctt | 2400 |
| gcaagccctg | gcccagctcc | tcctctcgcc | gggagaagtc | ctggtggctg | cgccggacct | 2460 |
| gctggacctc | ctccaggacg | tggtagcgc | accagcccga | gaaagcggcc | gccgccacca | 2520 |
| gggcgaggta | gaagagaaaag | ttgagcgccc | tgccgagcct | gcgcgagcag | gacgccgagg | 2580 |
| acgaggcggc | ggcggcgcca | gcggcgggcg | aggcgaggga | ggaggaggag | gacttgccgc | 2640 |
| cgccgcggcc | gccgcggcg | tggcgcctt | tgccgtgcgc | ctggttctgc | gggtgctgct | 2700 |
| gcgggtgctg | ctgcgggtgc | ggcgcgggcg | gcggcgggcg | ctgctgcggc | gccggcgggc | 2760 |
| gcttcttcgc | cacgtcatcc | gcgcgcggcg | acgggtgggc | acccttctcc | gaggggctcg | 2820 |
| cggcgccgtg | gccgccttg | gagcccttt | gtttggccga | gggcatggcg | ggcgcgggcg | 2880 |
| cggctcgggc | cgcgggctgg | gaggcgagcg | agcgcgggcg | gcggcccggg | aaacttgag | 2940 |
| gggctcccc | ggagctgggc | gagcggcagc | cggcgctgc | tggcgctgga | gcggcgagag | 3000 |
| gacgcggggc | cgacgggtgg | gcaccttct | ccgaggggct | cgcgcgccg | tggcgcctt | 3060 |
| tggagccctt | ttgtttggcc | gagggcatgg | cgggcggggc | ggcggtcgg | gccgcgggct | 3120 |
| gggatccatg | tggatgaagg | cgccggggag | cgggacttca | cgtccctgga | gaacacggtg | 3180 |
| gaggagcggc | tgacggagct | cac | | | | 3203 |

<210> 7750
 <211> 3138
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (912)...(1905)

<223> similar to gi2565048 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7750
gcggccgcgg ctcccgagct cctcggggctc tgggtcccg cgccccctccg gccgcgagtc 60
ccacgcgcca cccccgggcg ccctcgacgg tggatctagc ggcgggcgagg aggcgggtcc 120
cggccccggc gaaccccgag cccggcccc ggccccgggc ccagcttcgg catggatgtg 180
aggttctacc ccgcggcggc cggggaccct gccagcctgg acttcgcgca gtgcctgggg 240
tactacggct acagcaagtt tggaaataat aataactata tgaatatggc tgaggcgaac 300
aatgcgttct tcgctgccag tgagcagaca ttccacacac caagccttgg ggacgaggaa 360
ttcgaaattc caccaatcac gcctcctcca gagttagacc ctgccctagg catgccgat 420
gtactgttac cctttcaagc cctcagcgat ccattgcctt cccagggaag tgaattcaca 480
ccccagtttc cccctcaaag cctggacctc ccttcatta caatctcaag aaatctcgtg 540
gaacaagatg gcgtgcttca tagcagtggtg ttgcatatgg atcagagcca cacacaagtg 600
tcccagtacc ggaggtatcc ctccctgatc atgcggtcca tegtccacat gacctgatgc 660
tgcgcgttct ggggtcatgc ctctgcccc gctcaccacc atcaaccagt cttagctcag 720
cgccagtttg ggggtgaatt tgggaggtgc cagtatgcct cacacatctc cttcacctcc 780
agcaagcaaa tcagccactc cctccccctt ccagctccat caatgaagag gatgctgatg 840
aagccaacag agccattgga gagaaaagag ctgctccaga ctctggcaag aagcccaaga 900
ctccaaagac aaagcaacag aaagatccca atgagccaca gaagccagtg tcagcatatg 960
ccctgttttt cagagacaca caggctgcaa ttaaagggtc aaaccccaat gcaacctttg 1020
gagaggtctc acaaattgta gcatctatgt gggacagcct tggagaagaa caaaagcagg 1080
tatataaaag gaaaacagaa gctgcaaaaa aagaatacct gaaggccctg gcagcatata 1140
gagccagcct cgtttctaag gctgctgctg agtcagcaga agcccagacc atccgttctg 1200
ttcagcagac cctggcgctg accaatctaa catcctctct ccttctcaac actccactgt 1260
ctcaacatgg aacagtgtca gcatcacctc agactctcca gcaatccctc cctaggtcaa 1320
tcgctcccaa acccttaacc atgagactcc ccatgaacca gattgtcaca tcagtcacca 1380
ttgcagccaa catgccctcg aacattgggg ctccactgat aagctccatg ggaacgacca 1440
tggttggctc agcaccctcc acccaagtga gtccttcggt gcaaaccag cagcatcaga 1500
tgcaattgca gcagcagcag cagcagcaac aacaacagat gcaacagatg cagcagcagc 1560
aactccagca gcaccaaag catcagcaaa tccagcagca gatgcagcag cagcatttcc 1620
agcaccacat gcagcagcac ctgcagcagc agcagcagca tctccagcag caaattaatc 1680
aacagcagct gcagcagcag ctgcagcagc gcctccagct gcagcagctg caacacatgc 1740
agcaccagtc tcagccttct cctcggcagc actccccgtg cgctctcag ataacatccc 1800
ccatccctgc catcgggagc cccagccag cctctcagca gcaccagtcg caaatacagt 1860
ctcagacaca gactcaagta ttatcgagc tcagtatttt ctgaagacgc atatggcaga 1920
cggatttgcg tataccaagg agagtggcat aggagggaaa agcatatgtg gctgaaacct 1980
gtaagtgggt gttggttatg cagaaatgtg taacagatca aacggtcctc tcaagtgtct 2040
attagatagg caataagaac tgcagtgtag ctgagtaaca tcttttagct gactataaat 2100
cactttgttt ttaaacaaga aaagctgtgc tcttttatgt gatgcctttt ttatttatct 2160
aggctatacc tacaatatgt gaatcaaact gtttaatgaa tcttgggaca tactgatgac 2220
tataaactgg cctctctgag tcatagaaaa atggccttat ttctccagaa gtgagtaaac 2280
cacacttcca ggctatctga actcctgaag ccctaaaaat aaaaagcaca gttgtaacta 2340
cctgaaatat gaagatccag tttcatacaa acattttgta tgacgtgaat agttgatggc 2400
atTTTTTTgt catgaaaaaa ataatgtaaa tcacaggact tttgccaaag ctcttatttt 2460
ttttcctaaa tctctccaga aaaaaaatg caagtgacta aattcaatta ttgactaatt 2520
tccacttttt atccatgact tctccaaatc aaaccacagt atatgttgta acaaatatct 2580
atgaccactg ttagccatt atattcatct caattagaag aaaagaaatg tgaatactat 2640
attcctgtgt ttgagtgaac agtttcgaaa aataaaaaa ctgtattttt aaaagggaaa 2700
tgcaactaaa tgaaaacagt tattaccaa agttaaggat ttaaaaagga aaagcaagga 2760
gtttttatta tggatgtaat accagtagaa tatttaaaag gcacaccaca tctgaataat 2820
caatgtaaat attttctttc aaagttgtaa gttttcatat catgtgctgt aaagttttcc 2880
taaatgaggc ttttaacgtaa aacactgggt acataaacca ttcattgcta cgttgcttat 2940
tgtgttttta tgctgtttta tactttttta tgagttatga tagcagcaat taagtgtgtt 3000

```


| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| gtatttttgc | taactaaaac | aaaaatgctt | ttatcttgct | atagaataaa | cacatttcag | 3060 |
| taaaaactgt | ggactgtatt | ttgatgcaac | aacaaagaaa | ctgttcactt | ttcaaataaa | 3120 |
| atgatatgtc | agaaaaaa | | | | | 3138 |

<210> 7751
 <211> 2629
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (134)...(2631)
 <223> similar to gi3540161 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|------------|-------------|-------------|------------|-------------|-------------|------|
| <400> 7751 | | | | | | |
| tttcgtggaa | gccataaaaa | ttgggccttg | agagacagtt | tgaggtaagg | cgttgatat | 60 |
| attgcagata | gctctgaggt | ttttggagtg | taccatgctg | tcttcctggc | aaggaggccc | 120 |
| aagaccgcgg | caactactgc | tctggcttct | gatcctcgca | gcctgggaga | cgggtagtgg | 180 |
| ccagctccac | tactccgtcc | ccgaggaagc | aaaacacggc | accttcgtgg | gccacatcgc | 240 |
| tcaggacctg | gggctggagc | tggcggagct | ggtgcagcgc | ctgttcgggg | tggcgctccaa | 300 |
| aagacacggg | gaccttctgg | aggtaaatct | gcagaatggc | atcttggttg | tgaattctcg | 360 |
| gattgaccgc | gaggagctgt | gcgggcggag | cgtggagtg | agcatccacc | tggaggtgat | 420 |
| cgtggacagg | ccgctgcagg | ttttccatgt | ggacgtggaa | gtgaaggaca | ttaacgacaa | 480 |
| cccgccagg | ttctccgtaa | cagaacaaaa | gctctcaata | cctgaatcca | gactgcttga | 540 |
| ctctcgattt | ccactagaag | gcgcactctga | tgcggatgtt | ggagagaacg | cattgcttac | 600 |
| ttacaaactc | agtccaaatg | agtattttgt | tcttgatatt | ataaacaaaa | aagacaaaga | 660 |
| caaattccca | gtgcttgctt | tgcggaagct | gctggatcgt | gaagaaaatc | ctcagctaaa | 720 |
| gttggtgttg | acagcaactg | atggaggcaa | acctgaattt | accggatctg | tttctctgct | 780 |
| gatcctgggt | ttagatgcca | atgataacgc | ccctatcttt | gacagaccgg | tttatgaagt | 840 |
| taagatgtat | gaaaatcaag | tgaaccaaac | attagtaata | cggctcaacg | cttctgattc | 900 |
| ggatgaagga | ataaacaagg | aaatgatgta | ttcatttagc | tctttggtcc | caccacgat | 960 |
| aagaaggaaa | ttttggataa | acgaaaggac | gggagaaata | aaagtaaattg | atgctattga | 1020 |
| ctttgaggac | agtaacactt | atgaaattca | tgtagatgtt | acagataagg | gaaacccacc | 1080 |
| tatggttggt | cactgcacgg | tcctagtggg | actactggat | gaaaatgata | attcacctga | 1140 |
| ggtgattgtc | acttctctgt | ctctcccagt | gaaagaagat | gctcaagtgg | gcaccgtcat | 1200 |
| tgcctaatac | agcgtttctg | accatgattc | aggagccaac | ggacaggtca | cctgctctct | 1260 |
| gacgcctcac | gttccgttca | agctggtgtc | cacctacaag | aattactact | cattggtgct | 1320 |
| ggacagcgct | ctggaccgcg | agaggggtgtc | ggcctatgag | ctggtggtga | ccgcgcggga | 1380 |
| cgggggctcg | cctccgctgt | gggccacggc | cagcgtgtct | gtggaggtgg | ccgacgtgaa | 1440 |
| cgacaacgcg | cctgcgttcg | cgcagtcgga | gtacacggtg | ttcgtgaagg | agaacaaccc | 1500 |
| gccaggtcgc | cacatcttca | cgggtgtctg | gtgggacgcg | gacgcgcagg | agaacgcctt | 1560 |
| ggtgtcctac | tctctggtgg | agcggcggtt | gggcgagcgc | tcgctgtcga | gctacgtgtc | 1620 |
| ggtgcacgcg | gagagcggca | aggtgtacgc | gctgcagccg | ctggaccacg | aggagctgga | 1680 |
| gctgctacag | ttccagggtg | gcgcgcgcga | tgggggcgtg | ccgcctctgg | gcagcaactt | 1740 |
| gacgctgcag | gtgttcgtgc | tggacgagaa | cgacaacgct | cccgcgtgc | tggcgtctcc | 1800 |
| cgctggcagc | gcggggcggtg | cagtcagtga | gctggtgctg | cggtcggtgg | ttgcgggtca | 1860 |
| cgtggtggct | aaggtgcgcg | cagtggacgc | tgactctgga | tacaacgcgt | ggctgtcgta | 1920 |
| tgaattgcag | tcggcgggcg | ttggtgcacg | catcccgttt | cgcgtggggc | tgtacacggg | 1980 |
| cgagatcagt | acgacgcgcg | ctctggatga | gactgactcg | ccacgcccagc | gcctactggt | 2040 |

| | | | | | | |
|-------------|------------|-------------|-------------|------------|-------------|------|
| gctgggtgaag | gaccatggcg | agccgtcgct | gacggccacg | gccactgtgc | ttgtgtcgct | 2100 |
| tgtggagggc | agccaggcac | ccaaggcctc | gtcgcgggct | tcagtgggcg | tggcgcccg | 2160 |
| ggtggccctg | gtggatgtca | acgtgtacct | gatcatcgcc | atctgcgcgg | tgtccagctt | 2220 |
| gctgggtgctc | acgctgctgc | tgtacactgc | actgaggtgc | tcggcggcgc | ccaccgaggg | 2280 |
| cgcatgtggg | ccggtgaagc | ccacgctggt | gtgctctagc | gcggtgggga | gctgggtctta | 2340 |
| ctcgcagcag | aggcggcaga | gggtgtgttc | tggggagggc | ctgcccgaag | cggacctcat | 2400 |
| ggccttcagc | cccagccttc | caccatgccc | aatggtagat | gtggacgggg | aagatcagtc | 2460 |
| tattggaggg | gaccactcta | ggaagggtggg | ttattacgtt | ttcattttcc | ttttgtgctt | 2520 |
| tatgaataat | atcttctctt | accgcatttt | ctcaaataatg | tatcagaata | tttcattttt | 2580 |
| gtctacattc | catttatgct | tgaatatattc | tagtgatacc | tttgtaata | | 2629 |

<210> 7752

<211> 2265

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (187)...(934)

<223> similar to gi2633977 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7752

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| gaggaggtca | gctgcgggag | cgtttccggg | gacggtgccc | ccatgagatt | gaccccgcgc | 120 |
| gcgctgtgca | gcgcgcgcc | ggccgcctgg | cgggagaact | tccccctgtg | cggtcgcgac | 180 |
| gtggcgcgct | ggttcccggg | ccacatggcc | aaggggctga | agaagatgca | gagcagcctg | 240 |
| aagctggtgg | actgtatcat | cgaggtccac | gatgcccgg | tcccactttc | aggccgcaac | 300 |
| cctctgtttc | aggaaacctt | tgggcttaag | cctcacttgc | tggtcctcaa | caagatggac | 360 |
| ttggcggatc | ttacagagca | gcagaaaatt | atgcaacact | tagaaggaga | aggcctaaaa | 420 |
| aatgtcattt | ttaccaactg | tgtaaaggat | gaaaatgtca | agcagatcat | cccgatggtc | 480 |
| actgaactga | ttgggagaag | ccaccgtac | caccgaaaag | agaacctgga | gtactgtatc | 540 |
| atggtcattg | gggtccccaa | cgtgggcaag | tcctccctca | tcaactccct | ccggaggcag | 600 |
| cacctcagga | aagggaaagc | caccagggtg | ggtggcgagc | ctgggatcac | cagagctgtg | 660 |
| atgtccaaaa | ttcagggtctc | tgagcggccc | ctgatgttcc | tggtggacac | tcctggcggtg | 720 |
| ctggctcctc | ggattgaaag | tgtggagaca | ggcctgaagc | tggccctgtg | tggaaagggtg | 780 |
| ctggaccacc | tggtcgggga | ggagaccatg | gctgactacc | tgctgtacac | cctcaacaaa | 840 |
| caccagcgct | ttgggtacgt | gcagcactac | ggcctgggca | gtgcctgtga | caacgtagag | 900 |
| cgcgctgctga | agagtgtggc | tgtgaagctg | gggaagacgc | agaagggtgaa | ggtgctcacg | 960 |
| ggcacgggta | acgtgaacgt | tattcagcct | aactatcctg | cggcagcccg | tgacttcctg | 1020 |
| cagactttcc | gccgtgggct | gctgggttcc | gtgatgctgg | acctcgacgt | cctgcggggc | 1080 |
| cacccccgcg | tgtgagactt | tgccttgaac | ttgtccgggt | agggagggcc | ggaggcatgt | 1140 |
| ggcctcccag | acctcctgac | ctgggtgggt | gaggctcaag | acagctcacc | cgggtccagaa | 1200 |
| gctccatgct | ggtcactagg | gtgctgtgct | ctctggcgcc | ccacagcctg | gccagctcca | 1260 |
| gggaccccag | ttgcaggggc | caagcagggtg | ggagtggaca | ccaggcttcc | cagtggacgt | 1320 |
| ccctgagcag | ctccgcacgc | ttggttctcc | cggagcttcc | tgctcaggcc | tcttgagaaa | 1380 |
| tggatgctgt | ctcagaagga | gttaaagcta | taacctgtaa | cctttaaaat | ctccagttaa | 1440 |
| agggcctggt | tcttactggc | ctgtgagggtg | caccgtagtg | ccttgggcct | gtgtgtttaa | 1500 |
| gctgctctca | ccagtggaac | ctaagaaatg | agcagggttg | cagctagggt | ttgtgttgga | 1560 |
| ggctttcggt | ccagtgtctt | gcagtcctac | aacaagttag | aggcttgctg | ccatcagaga | 1620 |

| | | | | | | |
|-------------|-------------|-------------|------------|------------|-------------|------|
| ggttttatttc | acacttacag | gcacacacag | acacagacca | gagactccca | gcagcagagc | 1680 |
| ccaagcactg | gcttcgcccc | tcagtgcctt | ggggcatgtt | cagggcaggg | ttgaggggga | 1740 |
| cgccctgcac | atggcttttc | tgtgcaatga | ctggaaggcc | gcccggcatg | ggcagtagag | 1800 |
| acccttgccc | tctgagcacc | ttctagctca | cgggtagtgg | gattctgcat | tagtggggct | 1860 |
| gagagatgtg | ggggcccttc | cagccccatt | atagtgcacc | tgaaggggtc | cacagcctgt | 1920 |
| gtcctagaag | aggggaagagg | aaggaagggtg | ggtggggctg | gtagtatgga | ctaagggtgt | 1980 |
| gcaggacctg | ggggccagga | catcctgtgc | agaagctccg | gctgcctctt | tgcggtggtg | 2040 |
| gcctgaccgt | cccacagcag | cctccaccag | ggccttggtg | ctcagtggcc | cctctttgct | 2100 |
| ggctggctgc | ctctgtctgc | ccatacccca | cacactcatc | agcctgaagt | tagccccctga | 2160 |
| gtgccacctg | catcgtgcc | taaccctgac | cgctggggc | aggaagtatt | taagttggct | 2220 |
| gggtcagatg | ctaattgtgt | gaatcaacag | tcattgcaga | tcacg | | 2265 |

<210> 7753

<211> 7153

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (55)...(4946)

<223> similar to gi3327042 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7753

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| tttgggcttc | atggagtcgt | cttagatgtt | gattcagtga | atgaactggg | gcaggtagaa | 120 |
| acgtacctcc | gcagtgaagg | tgtgctggtg | cgatactggg | atcctattga | catgttgga | 180 |
| aggccccccag | caggctaccg | aaggactgcc | accaatgggc | tggtcacact | ggacaatacc | 240 |
| aaccttcaaa | ttcacaggga | gctgctgctg | tgcgaggctg | cgctggccag | gctgtactgc | 300 |
| cgcatggccc | tgtcaatat | cttcgccccg | aagttgcctc | acttggtcac | tcgcctcttc | 360 |
| cacatccctg | ccatccggga | cattaccctg | gagcacctgc | aactgctgtc | caatcagctc | 420 |
| ctcgacctc | ctctcccaga | cggcaccatc | agctccagct | cgatcctcct | ggcgagctct | 480 |
| ttacagcatt | gcattccattc | ccagaactgc | tccgccacgg | acctctttta | ccagggaac | 540 |
| tcccagacag | tgagagagtg | gctcaacgtg | gccatcacc | ggaccctgca | ccaggcgag | 600 |
| gagagccttt | tagagctgac | gaaacagatc | tgtcttttcc | tgacagacag | accagagcag | 660 |
| ttccccctccg | aagagttccc | aattttccga | tccaaagtca | acatggacgt | gaatttcccc | 720 |
| ggggcagctt | ttgttgttgt | gtcttgtaaa | gaaagtcaat | ctggattccg | caaagactcc | 780 |
| tctctgtaca | aggcaccgtg | ggcacgggtg | ctcgtatatg | gcctcgcca | caaagtgaag | 840 |
| cgaaatggcc | agctgaacct | catcgaggcc | gcctgttacc | cgcgggacgc | gtccccagcc | 900 |
| aacactgggc | ttgcacctcc | ccccaccgct | gaccagtacc | cctctgtggt | cctctccaca | 960 |
| gacagggtcc | acatcaaaact | gggggtgtct | ccacctcctg | gagcagtcct | ggtgttacat | 1020 |
| tccctgcccc | tggagtcccc | actggctatg | gccttcgcag | agcagctgct | gtcctggaaa | 1080 |
| tcagaggaca | gtgaaggga | gtccgaagat | gagcctgaca | ccattccgac | atccgtcctc | 1140 |
| ctgcagggtg | tggagctgct | aggaaacttc | ttgtggacca | cggacatggc | agcctgcgtg | 1200 |
| aaggagcttg | ttttccatct | cctggcagag | ctcctgcgca | cgggtgcacac | cctggagcag | 1260 |
| aggcggcacc | ccgctggcct | gtcctcctca | atcgccctcc | agctgaacct | ctgcctggcc | 1320 |
| atgctgatgg | ccttgacgtc | ggagctccac | aagctgtacg | acgaggagac | gcagaactgg | 1380 |
| gtctcaggcg | gcgcctgcgg | gggctccggg | ggggcgggcg | ccggtgacca | gggcaggttc | 1440 |
| tctacgtatt | ttcatgcact | catggaagg | tgcttggtg | tgccgaagt | gacctgcct | 1500 |
| actaacatga | gtgtcacagc | cagtgggggtg | acctcagcga | ccgccccaaa | tctcagtgc | 1560 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| tgcgtcctcct | cctcctcgtc | ctccccagga | cagacccccac | agagtcccag | cctcctctcc | 1620 |
| aagaggaaaa | aagtcaagat | gaagcgggaa | aaggcctcct | cgtcgggcaa | gcgccagtct | 1680 |
| tcccgaccg | tggactcgga | ccccaccgtg | ctcagcatcg | gaggcagcaa | gcccaggagac | 1740 |
| atgctgtggt | tccaccgcgc | actcaccctg | ctcatcatcc | tccgccacct | caccaggaag | 1800 |
| gaccacaggg | ggctgggcgt | gacgagtga | gccatcgccg | atgcctgcca | ggccctggtg | 1860 |
| ggccccaccg | cccacagccg | cttgctggtg | atctccggga | tccccacca | cctggacgag | 1920 |
| ggcgtagtca | gaggcgccat | ccgcaaggcc | tgcaacgccc | acggcggggg | cttcaaagac | 1980 |
| gagatctaca | tcccgctgca | ggaagaagac | accaagaagc | caaaagacaa | ggccgagggc | 2040 |
| ggggacggga | aagttgagcc | cgagaagaca | ctggccttcc | ccggcacaga | cagcatggag | 2100 |
| gtcagcacgt | ccagcagcct | gacccccgcc | atgagcatca | gcgcctccgc | ctccaccagc | 2160 |
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| ccgctgcctg | ccggcctcga | gctgccccatc | cctccggggc | tgttgagacc | ccacgcggtg | 2280 |
| tccagccagg | aaagcctgga | catttccctg | tgcagcaccg | gcagcctggg | cagcctgggc | 2340 |
| agcctggggg | agccccctgga | caatgcagag | acggcctcgg | tgtcggacat | gggctccatg | 2400 |
| tacacagtca | cttccctgga | caaccagccc | ctcgccgccc | gccccatcaa | aggcttcgca | 2460 |
| gtcgtggaga | taagatcccc | agccaaaatt | gagaaaattc | gagcaagttt | atttaacaat | 2520 |
| aatgacttga | ttggtttgtc | aagtttggtg | ggtgaagatg | aattgatgga | aatgtcaaca | 2580 |
| gaagagattc | taaccgtgtc | tgtagtaa | cagagtctct | ttgatactca | agggagccca | 2640 |
| gggttagaag | attatttcaa | tgataagtca | attaaagggg | agaagctggt | gcccggagcc | 2700 |
| agagagggtc | tgacggagat | atttaagagt | tgtgccatt | cagagcagac | gctgagcctg | 2760 |
| acaccagcga | agccccatcag | agtctctgac | atttatctta | gcaaagagca | gatcaactcc | 2820 |
| cagacccccag | gcaacctcct | ccacctcttc | ttcaccaatg | tccggccgcc | aaaaaagggtg | 2880 |
| ctggagggatc | agctcaccca | gatcctgagg | aagtatggcg | tgccaaagcc | caagtttgac | 2940 |
| aagagcaagt | acagcaaggc | cggaagggag | cagcaccccc | tgaagggtggt | gagcaccaag | 3000 |
| cggcctatca | ccaagccgcc | cgccaaggac | aaggctgtgc | tcaacagcgt | cagcaggact | 3060 |
| gccttaagtg | agaagaagcc | aactgtgaag | ccaaaatcac | cagaaaagag | caaaccagat | 3120 |
| gaaaaggacc | cagaaaagtc | acctaccaa | aaacaagaag | tccctgagga | aaaatacctg | 3180 |
| acgctggaag | gatttcacaa | atttgttatt | gaccgagcca | ggcaagatat | ccgtagcgtc | 3240 |
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| gtccgacatg | cacagaaggc | ctcaagaaag | tggaccctgg | agatggacgt | ggcacttgtg | 3360 |
| cagtacatca | accagctatg | ccgccacctc | gccatcacac | ccgcacggct | ccatccccat | 3420 |
| gaggtgtacc | tggacccccgc | ggatgctgct | gaccccagag | tggcctgtct | cctgaacgtg | 3480 |
| cccatcgaga | gcctgcgcct | gcgcttcgcc | ttgctgcagt | ccctcaacac | cacactggag | 3540 |
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| gctgccaggc | agctggcctc | agtgcgcgtc | tctcagctct | gcgtcaagct | ggccagtgcc | 3840 |
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| ctgctgtcgc | tgtgccccag | ctcagctgtc | aataagaaca | agggaagta | tatcctgacc | 4020 |
| ccgagcccca | tcacctacgg | ggaggagcag | ctgctgcact | tcctggggca | gctgctgggg | 4080 |
| attgcaattc | gggcagacgt | cccgctgccc | ctggacctcc | tgcctcctt | ctggaagacg | 4140 |
| ctggtggggc | agcccttggg | ccctgagcaa | gacctgcagg | aagcggatat | cctcacctac | 4200 |
| aattacgtca | agaagtttga | gagcatcaat | gatgagaccg | agctggaggc | cctgtgcgct | 4260 |
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| | | | | | | |
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| tgaggagt | gcaacatttt | gcttttccaa | actttcgtcc | acattccagg | gcctcctgga | 5100 |
| agacttaacc | ttttgtcttt | gtacgtttcg | tgatgggttg | gttcttttgc | tgctgtttg | 5160 |
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| tttcagcaga | gcgcctccac | agacaagcct | gtggccagcc | ctgcccccca | gcctcgagct | 5400 |
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<210> 7754

<211> 2966

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (2967)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (15) ... (1661)

<223> similar to gi5001689 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7754

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| tccctgccat | cttcctggct | gccgtgectg | cccaccgatg | tgccctgccg | gggtgcccctg | 180 |
| ccaacttcag | ccatcaggat | gtgtggctgg | aggcccatct | tccccgggag | cctgatggca | 240 |
| cgctcagctc | ctgcctccgc | tttgccctatc | cccaggctct | ccccaacacc | acgttggggg | 300 |
| aagaaaggca | gagccgtggg | gagctggagg | atgaacctgc | cacagtgcc | tgctctcagg | 360 |
| gctgggagta | cgaccactca | gaattctcct | ctaccattgc | aactgagtc | cagtgggatc | 420 |
| tggtgtgtga | gcagaaaggt | ctgaacagag | ctgcgtccac | tttcttcttc | gccgggtgtgc | 480 |
| tggtggggggc | tgtggccctt | ggatatctgt | ccgacagggt | tgggcgggcg | cgtctgctgc | 540 |
| tggtagccta | cgtgagtacc | ctgggtgctg | gcctggcatc | tgacgcctcc | gtcagctatg | 600 |
| taatgtttgc | catcacccgc | acccttactg | gctcagccct | ggctgggttt | accatcatcg | 660 |
| tgatgccact | ggagctggag | tggtctggatg | tggagcacccg | caccgtggct | ggagtccctga | 720 |
| gcagcacctt | ctggacaggg | ggcgtgatgc | tgctggcact | ggttgggtac | ctgatacggg | 780 |
| actggcgatg | gcttctgcta | gctgtcacc | tgcttgtgc | cccaggcatc | ctcagccctct | 840 |
| gggtgggtgcc | tgagtctgca | cgctggcttc | tgacccaagg | ccatgtgaaa | gaggccca | 900 |
| ggtacttgct | ccactgtgcc | aggctcaatg | ggcgccaggt | gtgtgaggac | agcttcagcc | 960 |
| aggaggctgt | gagcaaagtg | gccgcggggg | aacgggtggt | ccgaagacct | tcatacctag | 1020 |
| acctgttccg | cacaccagg | ctccgacaca | tctcactgtg | ctgcgtgggtg | gtgtggttcg | 1080 |
| gagtgaactt | ctcctattac | ggcctgagtc | tggatgtgtc | ggggctgggg | ctgaacgtgt | 1140 |
| accagacaca | cgtgtgttcc | ggggctgtgg | aactgccctc | caagctgctg | gtctacttgt | 1200 |
| cgggtgcgcta | gcaggacgc | cgcctcacgc | aagccgggac | actgctgggc | acggccctgg | 1260 |
| cgttcggcac | tagactgcta | gtgtcctccg | atatgaagtc | ctggagcact | gtcctggcag | 1320 |
| tgatggggaa | agctttttct | gaagctgcct | tcaccactgc | ctacctgttc | acttcagagt | 1380 |
| tgtaccctac | ggtgctcaga | cagacaggga | tggggctgac | tgactgggtg | ggccggctgg | 1440 |
| ggggctcttt | ggccccactg | gcggccttgc | tggatggagt | gtggctgtca | ctgccccagc | 1500 |
| ttacttatgg | ggggatcgcc | ctgctggctg | ccggcacccg | cctcctgctg | ccagagacga | 1560 |
| ggcaggcaca | gctgccagag | accatccagg | acgtggagag | aaagagtgcc | ccaaccagtc | 1620 |
| ttcaggagga | agagatgcc | atgaagcagg | tccagaacta | agtgggagtg | gaggcaggcc | 1680 |
| ctccacagaa | gctctgcagc | aggggctggg | agagcagaag | ggcaggccct | gcaactcagg | 1740 |
| ctgggagtat | cgaaccctct | gcctagggcc | ggagtgtctg | ccagtaccgc | ctccctctgc | 1800 |
| tcatccatcc | ttgattattt | ggcttctagg | aacagttgac | ttcccagaat | gcagtgggct | 1860 |
| gctgggcacc | cctctcacgg | ttggggagga | ttctgtaaat | aaaggtgcc | cttgggttgg | 1920 |
| ggcagtgggtg | acgagctgtg | ggaagagccc | tggataggaa | gccactgagt | ctgccctggg | 1980 |
| ctctgataaa | accttcacca | ttaacttgct | gtgtgaacct | tgggcatgtg | gctttccctt | 2040 |
| ctctgggcct | cagtctgttc | atcctcccca | aatggataaa | tgaaaacctc | ttgggaggcc | 2100 |
| cttacaatag | gatctgttgc | catgctcaaa | atgaagtta | ctgaaataag | gtgcttctctg | 2160 |
| cttctccta | gagatgggtg | cctaaagaaa | ggacttagca | tatgagactt | ctgggtacct | 2220 |
| aatggggctg | ggtgggcatg | cttgtccact | tgtgtgggtg | ttaggacttg | ccaatgccc | 2280 |
| ggcccaagg | acaaaaagaa | cagagctttt | tgttctcatg | ggctggggcc | tgctacctcc | 2340 |
| gagggcaccc | tgaggggcaa | ttgcatgttc | atccccaa | cccacattcc | ccatcccca | 2400 |
| aaccactgg | gtctcatgcc | caaaagaaga | agttgaaggc | atggggagcc | aacattttat | 2460 |
| ttgaaggaag | ccacagaggc | ttgaaatttc | aattaaaaca | caaagtttta | tgagtacctt | 2520 |
| gaagctccag | aatgtgctgg | ggaaaggggt | tgtgatggcc | aggaggagga | tacccttcaa | 2580 |
| aacgggctgt | tccctaacca | gatagaaatg | ggaaagggaa | aaaattggca | gagaaagtct | 2640 |
| agactctctg | gcctaccatg | gagcctaggc | ccaggccccc | aagatcccac | cttccccaac | 2700 |
| ccccatggga | ctggagattt | ttgtagcttc | cattggacca | tgaggggcat | gatgggaggc | 2760 |
| ctgagttagg | gtgacctttt | ttgtgagcgt | ctcatttgaa | ttttatcttc | actgggggtca | 2820 |
| tagatgtagc | agccacatc | gccaatgttc | acacctttgg | ggacaaacag | gtagccgtag | 2880 |
| cangggacgt | ggcagtaggg | gactccatca | tgctcagcat | gacttccagc | agtcagggtc | 2940 |
| ttgtggcaac | gcttgcacct | cagaca | | | | 2966 |

<210> 7755
 <211> 970
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (835)...(468)
 <223> similar to gil685102 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7755
 tttttttttt ttcattcttcc attatttttat ttttttttat acatatatat atatgcgag 60
 atctgtttta tgtacaacaa ttggttctat caaatattca gaccaaggca ttctactgg 120
 aatttcccc caaatcaatt caggtaaaat tagatactta tgcacttcac gggctatcaa 180
 aacttgcaac ttcattatca atttcagttc tgaggtcata cacacaattc aaaatataca 240
 ttaactaggt taaggcgata aaagtgggct gaaagaaacc acaggattca gaacaatgaa 300
 actgtgtatt ttgcttgcag gagagtcata acgtgaacag caagtattgt gcgtatctca 360
 tagctcttca gtggagagga agcggcttct gaacatctaa ggtgactgca cagcagggtg 420
 gaaacagctg gtgtggcctg ctggaggctt cgccgaggga gggctcattt cttctctgcc 480
 tctccttttt tgggttcttg tttcaatttg taatcagcca gggcggcctt gattgcatct 540
 tcagccagca tggagcagtg cagtttcacg ggaggaaggc agagctcctt ggcgatatct 600
 gtgtttttga tagtcaaggc ttctctccacc gtctttcctt tcacccattc agtggcta 660
 gagctggagg caattgcgga accacagcca aatgttttaa acctagcacc cacaatcttc 720
 cctttttcat ccacttgaat ctgtaatttc attacgtcac cacatgctgg agccccacc 780
 agtccagttc caacattttt agatgtcttg tcaagggacc ccacgtttct aggatcttca 840
 taatgatcaa caaccttctt gtgatagagt cgggcccggg ccgacagctc ccgggcccggc 900
 aggcgggggc tccgcagcag cagagccgat gccacccgcc tcagacggcc agccccagcc 960
 gccgccatct 970

<210> 7756
 <211> 1619
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1463)...(381)
 <223> similar to gi3114828 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7756
 tttttttttt ttgccattaa gggcctttta ttctgtattca tcacatcgga gatcatctct 60
 tcctaggaag cttttaaaaa aatccccagg ttggattagg gcactccctc tgggtccctg 120

| | | | | | | |
|------------|-------------|------------|------------|-------------|-------------|------|
| gcaatttcct | ccagggttagg | gatcccaagg | ggtcgctgcc | ttcctgggtc | tctcggcctg | 180 |
| gcccttgggg | atctacagtc | atcaagaagt | gctgggggga | agtgagctct | ttatttagac | 240 |
| atagctctgc | tgagtggaaa | gtgggcacca | gccccattaa | tgcttgctgg | ctgggtggctt | 300 |
| ccaagcacgc | cccactgcca | aggctcagct | ctgcagttct | gccactgcag | gtccctagca | 360 |
| cagccccag | ggctcctaaa | agtcatcatc | atcacagatg | tcaaggtaca | cgtcgaaagc | 420 |
| ctctctgttg | cagtttccat | caggagtga | gacatatctg | tggaagggtcc | catctacgca | 480 |
| gatggcaatg | acagagttga | cgttccttga | agtattgcga | ccgaaggcgc | agatgcaagc | 540 |
| tgactcagca | ggcacagtga | agctcgccag | gctccactga | gagtccacgt | actgccaat | 600 |
| cataggcccc | accttgcccc | cgcgagccag | cgcgagcgg | cggttgaggc | gggtatcctt | 660 |
| gagagcaaag | atatggacag | tacccttatc | actggaagcg | cagaggaagg | aggagtcgtg | 720 |
| gctgaagtta | atgcagtaga | gggtggcagg | gtcagtgctt | cggcgcagct | ccaccagttt | 780 |
| ctccttggtg | tgtgtgtcaa | agaggcgaat | aagggtaccc | ttctgggagg | ctgaggccac | 840 |
| tacagtgcct | ggctgggtta | gagacacaca | ggctatgtca | ctctgatgtg | cattgatcgt | 900 |
| gaatggagca | gacgaggtgc | caggctttgt | gctcgccagg | tccacaagtt | gcagactccc | 960 |
| acacttggtg | cccgggaaca | ctagcagttg | cttctccagg | ctggggcaga | ggtcacagag | 1020 |
| ccccttgggg | ttgtcccggg | tatcaaactc | aaacagcttt | cggggattgt | cggggaagga | 1080 |
| gtacacatag | atgcggttct | tcagcacgat | cacgatcttg | tcatggcgca | tgcgcacaga | 1140 |
| aagcactggc | ttggtgaagg | tgaactccag | caccagcttc | tccttgaggt | cettgccctc | 1200 |
| ccgggcatcg | tcccagatca | gcactgagat | ctctgagaac | ttgggactac | taccaccgcc | 1260 |
| caccaaggcc | agaaggttgg | agcggtgag | catctccacc | aagcccatgc | tgcccacctg | 1320 |
| ctcgtgggtc | agatgcccct | tctccatcaa | gggctccacg | ttgtagatgc | gcacacctgt | 1380 |
| ctccatggcg | cagcaaaaagc | agctttggtc | ttggtgaaa | cgagggtgg | tactcctcg | 1440 |
| aagtggctgt | tgagtcattg | tgcaggattg | ttcctcctgg | gatcgtgctc | cagcttctcg | 1500 |
| ccgccttcac | cggcctgacc | tccgcgtgtc | cctgaccggg | gccccagctg | tcggtgccgc | 1560 |
| ccgcggcccc | gttttctgac | ctcccggggc | ttggagcccc | gctcgggtgt | ttacatcag | 1619 |

<210> 7757

<211> 1979

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (269)...(1585)

<223> similar to gi3212997 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7757

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| cccacgcgtc | cgggcggtg | acgtggccgc | tggagctcag | gcggtgggtt | cggtgggat | 60 |
| ggcgaagagc | aacggagaga | atgggccgcg | cgcgcccgcg | gccggggaaa | gcctgtcggg | 120 |
| aaccggggag | agcctggccc | agggccccga | cgcgcaacc | accgacgaac | tcagctctct | 180 |
| cggtctgac | tcggaggcca | acggcttcgc | cgagcgccgc | atcgacaagt | tcggcttcat | 240 |
| cgtgggctcg | cagggcgccg | agggcgcgct | ggaggaagta | cccctggagg | tgctgaggca | 300 |
| gagggagtcc | aagtggctgg | acatgctcaa | caactgggac | aaatggatgg | ccaagaagca | 360 |
| caaaaagatt | cgtctgcggt | gccaaaaggg | catcccgcct | tctctgcggg | gccgtgcttg | 420 |
| gcagtacctg | tcaggaggca | aggtgaagtt | acagcagaac | cctggaaagt | ttgacgagct | 480 |
| ggacatgtcc | cctggggacc | caaagtggct | ggacgtgatt | gagcgtgacc | tgaccgggca | 540 |
| gttcccattc | catgaaatgt | ttgtgtcccc | ggggggccac | ggccagcagg | acctattccg | 600 |
| tgtgctgaag | gcctacacgc | tgtaccggcc | cgaggagggc | tactgccagg | cccaggcgcc | 660 |
| cattgccgct | gtcttgctca | tgcatatgcc | tgctgagcaa | gccttctggt | gcctggtaca | 720 |

| | | | | | | |
|------------|-------------|------------|-------------|-------------|-------------|------|
| gatctgtgag | aagtacctgc | ccggctacta | cagcgagaaa | ctggaggcga | tccagctgga | 780 |
| cggggagatc | cttttctcgc | tggtgcagaa | ggtgtcgccg | gtggcccaca | agcacctcag | 840 |
| ccgtcagaag | atcgaccgcg | tcctttatat | gacagaatgg | ttcatgtgcg | ccttctcccc | 900 |
| aaccttgccc | tggagctctg | tgctgcgtgt | ctgggacatg | ttcttctgtg | aaggggtcaa | 960 |
| gatcatcttc | cggggtggggc | tggtgctgct | gaagcacgcg | ctgggctccc | ctgagaagggt | 1020 |
| caaagcctgc | cagggccagt | acgagaccat | cgagcgactg | cggagcctca | gccccaaagt | 1080 |
| catgcaggag | gcctttctgg | tccaggaggt | ggtggagttg | cccgtgacag | agcgccagat | 1140 |
| tgagcgcgaa | cacctcattc | agctgcggcg | ctggcaggag | acccgggggtg | agctgcagtg | 1200 |
| ccgctccccg | cccaggctgc | atggtgccaa | ggctatcttg | gatgcagaac | ctgggtccccg | 1260 |
| gcctgcccta | caaccttcac | catccatccg | cctgcccccta | gatgcccccc | tccctggctc | 1320 |
| caaagccaag | cccaagccac | ccaagcaggc | ccagaaggag | cagcggaaac | agatgaaggg | 1380 |
| gagagggcag | ctggagaagc | ccccagcccc | aaatcaagcc | atggtggttg | ccgctgcagg | 1440 |
| agatgcatgt | ccccacagc | atgtgcccc | gaaggactca | gcccccaagg | actcagcccc | 1500 |
| tcaggatttg | gctccccagg | tctcagccca | ccaccgctcc | caggagagct | tgacgtccca | 1560 |
| agagagttag | gacacctact | tgtaaccctg | gcagctaagg | cctccagggc | ggggtctcca | 1620 |
| tataactaca | cggttcatga | actgacattc | cacatcctgc | ccaccctctg | aggccaagc | 1680 |
| tgcttgcca | ctgggctggg | ctggagtctg | gctggtccaa | cacagattct | gcctggtcca | 1740 |
| acacagattc | tgcttgagcc | tccttattta | ttttctttac | agtggcactc | aggctggccc | 1800 |
| agccagggca | ggcagaagct | agggcctggg | gggtggggcc | tccttcagcc | ccctcctcct | 1860 |
| gggggatgct | ccccagggtt | aggggtgctg | tgtgagggga | aaggggtggg | tggtctttgt | 1920 |
| gtaaaataga | aacatgggtt | tgtacagaaa | taaacagcct | tgtatagaga | aaaaaaaaa | 1979 |

<210> 7758

<211> 1618

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (36)...(1222)

<223> similar to gi3724105 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7758

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| agcttacctg | cttttccatt | acctgttcca | gcaccatgtc | ttacagttgt | tgctgcccc | 60 |
| gcctgggctg | ccgcaccagc | tgctcctccc | ggcctgctg | gccccccagc | tgccacggct | 120 |
| acaccttgcc | tggggcctgc | aacatccccg | ccaatgtgag | caactgcaac | tggttctgtg | 180 |
| agggtcctt | caatggcagc | gagaaggaga | ctatgcagtt | cctgaacgac | cgcttgcca | 240 |
| gctacctgga | gaaggtgctg | cagctggagc | gggacaacgc | ggagctggag | aaactcatcc | 300 |
| aggagcggtc | ccagcagcag | gagcccttgc | tgtgccccag | ctaccagtcc | tacttcaaga | 360 |
| ccattgagga | gctccagcag | aagattctgt | gtgccaaggc | tgagaatgcc | aggctggttg | 420 |
| tgaacattga | caatgccaa | ctggcctctg | acgacttcag | aagcaggtac | cagacggagc | 480 |
| agtcctctg | gctgttggtg | gagtcggaca | tcaacagcat | acgcaggatc | ctggatgagc | 540 |
| tgaccctctg | caagtctgac | ctggagtccc | aggtggagtc | cctgagggag | gagctgatct | 600 |
| gcttgaagaa | gaaccatgag | gaggaggtta | acaccctgcg | ctcccagctt | ggagaccgcc | 660 |
| tcaacgtgga | ggtggacact | gccccactg | tggacctgaa | ccaggtcctg | aacgagacca | 720 |
| ggagtcagta | tgaggctctg | gtggaaacta | accgcagggg | agtggagcaa | tggttcgcca | 780 |
| cgcagaccga | ggagctgaac | aagcaggtgg | tatccagctc | agagcagctg | cagtcctgcc | 840 |
| aggcggagat | catcgagctg | agacgcacag | tcaacgcctt | ggagatcgag | ctgcaggccc | 900 |
| agcacaacct | gcgagactct | ctggaaaaca | cgctgacgga | gagcgaggcc | cactacagct | 960 |

| | | | | | | |
|------------|------------|------------|-------------|-------------|-------------|------|
| cccagctgtc | ccaggtgcag | agcctgatca | ccaacgtgga | gtctcagctg | gcagagatcc | 1020 |
| gctgtgacct | ggagcggcag | aaccaggagt | accaggtgct | gctggacgtg | cgtgcccggc | 1080 |
| tggagtgtga | gatcaacacg | taccggagcc | tccctggagag | tgaggactgc | aagctcccct | 1140 |
| gcaacccatg | cgccaccacc | aatgctagt | gcaactcctg | tggaccctgt | ggcacctctc | 1200 |
| aaaagggttg | ctgtaattga | aaagcttgta | tccctcttga | agacatctac | aaagccattt | 1260 |
| agatcaacca | caggaaggat | cctcaagtcc | tgacttttct | ggagctcagc | tgacatcaag | 1320 |
| aaacctcatc | ttgcctctat | gttatttcta | gaatgctgaa | aagctttcct | gacccaagca | 1380 |
| aagacacaca | tcatcaactt | ccaatgtctg | gacaactcct | tccctgttgag | ggtcgagcct | 1440 |
| gtttgtttct | aaagatgttc | agctccctgt | aatctgagct | cccagttact | acttaagggtg | 1500 |
| tttctgaac | cgtactactg | catttcctgt | tttccttttt | tctttggcat | tctctggaat | 1560 |
| gcaaggagga | gacttcattt | acttcccaat | aaacttcatt | tctctggcat | aaaaaaaa | 1618 |

<210> 7759

<211> 955

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(956)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (775)...(333)

<223> similar to gi5381319 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7759

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|-----|
| tttttttttt | ttcaacatta | aatgactatt | tattttttcag | gtttaaaaga | tttcaaaata | 60 |
| catatgtaca | agataaataa | actccccaaa | aattatgtca | tcaaataatat | ttaaaaaaaa | 120 |
| aattcaagggt | aggcaactta | gatcaccttg | gcaaagaaca | cattaactaa | gatgaaccag | 180 |
| ggacaagtcc | cctaaacatc | aggatgaaat | ttctttttcta | tgectactag | ctgactggcc | 240 |
| ttcctttttct | gtgttgagtt | gtgtactctg | gagtcaccag | cctctggtag | attatcaagc | 300 |
| atctcttcct | catcagcctt | ttgtttctgt | cttgcagtct | tctctgtcca | ctgtctggca | 360 |
| ttcttgagga | aggctggctt | attatatatta | aattctgagg | atatgtcagc | catgagcggg | 420 |
| tcatcaggggt | tgggttctga | catgagcagc | tgaatagagg | tcaacacagt | tgcgatgttg | 480 |
| agggatggtc | tccaagcacc | ttttggtggc | aatttgagaa | catccagaca | aatccttcca | 540 |
| gcagaatcaa | tgtttggtatg | ataaattgga | gtgagaaatc | ggatctgagg | aggttcaaat | 600 |
| gggtacctct | caggaatgat | aacttctagc | ttaaaaacac | ctttctcata | aggtgtgttg | 660 |
| gctccaccta | atatttgagc | tcgcagggtca | tccatttggt | ctttatcttg | ccaacatgtg | 720 |
| atgcctgggg | gtggctctgt | ggctaacatg | tgcagctctc | tcttcagacg | tgaagctctc | 780 |
| tgcatgatcc | ccaagtagaa | ggaaccacac | acagttcact | gctccacact | aagagctgcc | 840 |
| tgggatgcac | tgagctgaca | cccctcacia | cgcagcaacg | cgcggaccaa | cggggtacca | 900 |
| gcgcctgcgc | gacctctacg | aattccacca | cactgactat | gactcgaann | cccgc | 955 |

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<210> 7760
<211> 1031
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (103)...(432)
<223> similar to gi2388999 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7760
cccggggccga cccacgcgtc cgcggacgcg tgggcccgcg cgtggggtca gcccacatg      60
gcgatgcaca acaaggcggc gccggccgag atcccggaca cccggcggga gctggcggag      120
ctcgtgaagc ggaagcagga gctggcggaa acattggcaa atttggagcg acagatctat      180
gctttttgagg gaagctacct ggaagacact cagatgtatg gcaatattat tcgtggctgg      240
gatcggtatc tgaccaacca aaaaaactcc aatagcaaaa atgacgaag gaaccggaag      300
ttaaaggaag ctgagcggct cttcagtaaa tcctcgggta cctcagcagc tgcagtaagt      360
gcattggcag gagttcagga ccagctcatt gaaaagaggg agccaggaag tgggacggaa      420
agtgcactt ctccagactt ccacaatcag gaaaatgagc ccagccagga ggaccctgag      480
gatctggatg gatctgtgca gggagtgaag cctcagaagg ctgcttcttc tacttcctca      540
gggagtcacc acagcagcca taaaaagcga aagaataaaa accggcacag cccgtctggc      600
atgtttgatt atgactttga gattgatctg aagttaaaca aaaaaccacg agctgactat      660
tagaagacac attagtgcc aagccttcc aggctgtaga gccctgcttc ccttctctga      720
cctcaciaaag ataaacatcc ttcacctgag ttctgtggcca tccacctctg ctctcccaga      780
cccagtgcct gtgactttga gtagtttgtt cttaaagtgg tgacaaacaa gtcatttctg      840
taagacattg ggtcttactt tatgtcattt ttagtaacag aactgcagga agatcaagac      900
aatgttgtaa tcccggcaag ttgctaactg tgcgtttctc ccttcttaga atgaatgtct      960
ccccaaaac tggctggcac cagcttcac tgtgataccc ttcaagaaat gttctctggg      1020
tttgttttat g                                     1031

```

```

<210> 7761
<211> 1516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (741)...(509)
<223> similar to gi6684 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7761
tttttttttt ttagaggaga ctgaaaaaga taatttattc catcagaggc atcacaatta      60
cagattacag acatttgcac gcaaattgtc gtaattctgta attaatatgc aggggttagag      120
cgctgcgttt taacatttaa cattcatgag taaacagaga tggccggtgg gtaaatatct      180
tgccaagggtg gttctcggtt ttaagccttt tgagtcttaa gatgacaaat ccctagggat      240

```

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| caggtggttt | tccccgacga | actcttgtca | atgagaaatc | cctcagcccc | ttttgtcttg | 300 |
| ggtctcacag | ctccagaagt | gagccgggcc | agaacgaagc | catcctagag | tccccaagga | 360 |
| cagccctccc | gtggaccccg | gctagggccc | ccagagtctc | atcctcagga | gtgcgccagc | 420 |
| tctgggcttg | cgtgccggcg | gggtctgcag | ccacaggtcc | cgcgagtccc | ggacacttcc | 480 |
| aggacgtggt | ctcctggtga | gacagctcct | ccgggtacca | gtctcgactc | ctccgggcag | 540 |
| gcgacaacaa | agtcgagtcc | cgccctccac | gttcgcctgc | tgcgcgctct | tgtcctctct | 600 |
| cggccgcgcc | aactctgggg | cacagctggc | tcctcctggg | ggcgatgcag | catcacaggg | 660 |
| ctccggccca | ccccgggcca | gggcgccgac | cctccctgcc | ggaccctctc | tagaaggccg | 720 |
| cgggtctggg | tctggctcat | cccttaaaga | ttccaagatt | gggcgcactc | tgagctcccc | 780 |
| aaacacaaaa | tgatgggatc | cctgcgcgtg | ccccacgtc | acagagtggg | aggggtccag | 840 |
| gggcattcta | attataaacg | gggctcaatc | acaccccaaa | attctaaacg | cctccacccc | 900 |
| taacctgcag | gtgcaaacag | cacccttatt | tcattgccgg | cagctacttt | gtactttcgt | 960 |
| actgatagac | aaagatagtg | acaacaaaga | cggaaagaaa | caagcatcga | aagctacatg | 1020 |
| aagggggtgc | agcgcgtgtc | taaaacacaa | aatgccgagc | cccgttttcc | ctttccctcc | 1080 |
| ccgctcggtc | ctgcgcccac | cccgctccgc | gctggccact | caggcaagct | gtaaattgat | 1140 |
| ataggtaaag | atgcaggagg | tgatggagaa | ggcgatggct | gcgtagatga | agatggagag | 1200 |
| gtgcggaaaa | tggtcgagat | agcagccctc | gtccagtggg | ggcgccctct | tctgggcggg | 1260 |
| gggcgcgatg | cggccttcgg | gggtgcgccg | gcgcggcccc | cctgcgcctc | ccgcgccgcg | 1320 |
| cgccgaccag | ccttcttgcc | cgcggccgac | gccgacctgg | gcccgcaggc | agcgggaggg | 1380 |
| tcttcggggg | gaggcttgtc | aaacaggcct | tcggactcgg | ggtccggggc | aatctgctcg | 1440 |
| agacccaggg | gtctgcgcgg | aaacagcccg | tcagccatgg | gcaggatcgc | gggtaggtgg | 1500 |
| gtcagccggg | tctggg | | | | | 1516 |

<210> 7762

<211> 1090

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (674)...(115)

<223> similar to gi3093311 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7762

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|-----|
| tttttttttt | ttacattttc | tcctaatttt | attggggagc | catcattata | tattaaaaga | 60 |
| gcagaggtaa | ttctgtcttc | tcgggttggt | cagcacgata | tgctccagct | cgtcatgcca | 120 |
| gggcccggaa | aacctccacc | ttctcccgtt | acagctgggt | gaactgcttg | gcaaggcagt | 180 |
| ggaaaggggc | ttcgaagttt | tccatctctt | tcacggatgt | tccaaaacat | tccaggccct | 240 |
| ggcccagcgc | ccatgcccg | gcctcagctg | agtccactgc | tcgtctgccg | gccaggctctg | 300 |
| tcttgttccc | aactaaaaca | cctgggagag | agatgcctgg | agcctgtgac | cgagccttct | 360 |
| ccagccactt | gctgcagttg | ttgaaggatt | cttcattggg | cacatcatag | acgagacata | 420 |
| agacattggg | actctcccac | aatttatcca | gcatttccga | aaacagctcc | ttgccagcag | 480 |
| agtcaaaaat | gaagagttcc | acactgtctc | ccgtgtcagg | aactggcact | gtcttcacca | 540 |
| ccaaatccat | tcctgttggt | aggggtgtagc | ttttctggaa | atgggctcca | tcactgcgga | 600 |
| agatctgtgc | cagggcggtc | ttgcccactg | ctgggtctcc | tgccaggatg | catttggtctg | 660 |
| ccagcttcac | catggtaacc | aacactcccg | cgagccgtac | ccagaggaca | agagcggctg | 720 |
| ctagagacgc | gagtggtggg | gcttcggggc | ctgggctggc | ctgggacggg | aaggtgggga | 780 |
| ggggagggct | gatctcaagg | gtcagtggcc | gcgacgggac | tggggatgac | cgagcccggc | 840 |
| ccttctgggc | cgggggcgga | tatcgggcgc | tgggggcggg | tgggcagggg | agggctccag | 900 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| gtggggcccg | ctcgaggcct | gacacggcag | tctgaaaagg | tgcaagcgag | cggacacggc | 960 |
| ctgtgctccc | cgcccagccc | ctcagcacag | ccctacccag | agggttcaag | gaaggacgat | 1020 |
| ccggctctcc | tccgatcaca | agtaccgggc | cggatgcact | ctccaagcaa | ccatagccgg | 1080 |
| acgcgtgggt | | | | | | 1090 |

<210> 7763

<211> 1078

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (397)...(536)

<223> similar to gi3860012 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7763

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| ccaacccccg | gcgccacccg | cggcttcctc | cgctcggggg | cctcgttcgg | cctctgctgg | 60 |
| cctccgcgac | tccgcggtgc | ccgcccccg | tgagttcaaa | aggacgcgcg | gagcggcgcc | 120 |
| ggcccttcac | cagcagcccc | tccgactgga | aagatctgcc | tcttctccaa | gaaactcaac | 180 |
| cactagtgc | aatgaccagc | ctcctgacta | ctccttctcc | aagagaagaa | ctgatgacca | 240 |
| ccccaatttt | acagcccact | gaggccctgt | ccccagaaga | tggagccagc | acagcactca | 300 |
| ttgcagttgt | tatcaccggt | gtcttcctca | ccctgctctc | ggtcgtgatc | ttgatcttct | 360 |
| tttacctgta | caagaacaaa | ggcagctacg | tcacctatga | acctacagaa | ggtgagccca | 420 |
| gtgccatcgt | ccagatggag | agtgacttgg | ccaagggcag | cgagaaagag | gaatatttca | 480 |
| tctaattgact | cccaggcccc | aaggagctta | ttcctggctc | catcgctaac | acgttgactg | 540 |
| cttattatgg | gaaagttttc | tctgaagcca | gggagaagca | ttgattgatg | tgggcaaata | 600 |
| caagctccag | ccaggtcgca | gtcccaaata | ccgacatcac | tgactccagg | gaccagggac | 660 |
| atggagaaaag | ctgtttatga | tatctttaac | caggccctct | tactagagct | ggtgtttgtg | 720 |
| actggccaac | aagatgtggc | tatgccaggg | gacatctgag | tatgtgcccc | gtcatctttt | 780 |
| ttcacagggt | gaaggagag | aaaagatttt | gagttaaagg | cattggctgc | tctactctgt | 840 |
| ccctacctg | gtcacctagt | gatagcccca | gtggagatac | tgtccataca | aggtcttccc | 900 |
| agaggctgga | taccacagta | aaaggccagg | ccaggagggg | taggagacta | tggagatctt | 960 |
| acctcctgat | aaatgtgcta | caccccctaa | tctgagccct | tcctttccgt | gttccccaac | 1020 |
| aacctcatgc | ttacgtgatt | tttattcaaa | ttaaaaattt | tcattgctaa | aaaaaaaa | 1078 |

<210> 7764

<211> 1103

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1042)...(497)

<223> similar to gi4741198 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7764
tttttttttt ctgaaagggtc atctcgtgcg actttaatat ttatatccgt agtttcactt      60
ggttcctcat ttttatgttt tttttttaaa ttaaaccacag gttatcaaag tgtaaatgaa      120
aggtaattgt ttattactgg agaagagaaa aatgtataca agaaagtcta gattcctttct      180
ccacatgcac tacttttgga ataaagttcc aaatatcaac tttgaagata cttacaagga      240
taaatttttc ttaacaagtg accaattact gtgttggtgga ctttttttca tagaatccat      300
atactgtaaa ctaaataatat tcttatagtt tacaggaagc ttggagcaat tatgtattaa      360
cagagaagat ggtattatat tttactgcaa aatattataa aagtgataca attttgtggc      420
tcttaaagt ttaattactt gatttcaaca ggacaatgaa aaaaaaccaa aaatcatcaa      480
gacaggcctg gctttaagggt tttttgtatt cgattcgttc tactttcaca tcatctccaa      540
ttagctgata cacatagggtg accactgtag aagcctggat atccatcaac acaaatgatg      600
gaataatgtt tgtttccaag gcattatatg cccagtggtg agaacctgga ttaatgtaga      660
atttattttc atgctcaaat gcttcaaatt tgtgtgtgtg tcccagagata agaatgtcca      720
catcaaattg cctctgcaac agggctaagc tggccatatc tccccatgga ataacttgat      780
gtccatggat cagaccaatt ttgaactgtc caacagtcac aactttctgt tctggataat      840
tcagattctc atcgaagtct cctctcacia tatgaacatc accagccaga gtcttgagat      900
agtcataact ctctttgggtg caaagggttc ctgtgcagag aatgtgctga attttctctg      960
gcaccaggag ttttttgaat ttagctggca aactgttgca ccggtgtggg atgtgcagat     1020
ctcctaatac caacaccaat ctgtgcccag ccactctgtc accgggctcc gctcagtcac     1080
caccaccgtc gccgccctct tcc                                     1103

```

```

<210> 7765
<211> 1026
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (200)...(491)
<223> similar to gi2959888 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7765
cggtgactgc accgcccgcc ctgccagacc cgcccggaac ggggctcgtc gccgccagta      60
gccgcagcac cgcagccttg ggccctcgcg cggctatggc cgtgccctgg ggctgagccc     120
tcagggtgtg accgagattc ccgacgagag agactgaggg gaagagagga aggaggggcg     180
ggctcctggc aaggcattcg ctctgagcg gaatcctgca aagatggaga aggaggagac     240
aaccggggag ctgctgctgc ccaactggca gggtagtggt tcccacgggc tgaccatcgc     300
ccagaggggc gacggcgtct ttgtgcagga ggtgacgcag aactccccctg cggccccgcac     360
tggggtggtc aaggaggggg accagattgt gggtgccacc atctactttg acaacctgca     420
gtcgggtgag gtgaccagc tgctgaacac catggggcac cacacggtgg gcctgaagct     480
gcaccgcaag ggggaccgct tcttcccag cctggggccag acctgggacc cgtgaagtct     540
tcagctcctt gcagcttctt gaagtgggtt ttgaaacaca ccacagccat cagcattgga     600
atgcaaagga ccagaacaaa caggaaggaa gccagcagcc aagccggggc agtttcagtc     660
tccaccccaa atgcaggact gtagaagcgg ccaggaagaa aaccacccc tcttaagggt     720
gtttttgtga ccgttctttg gagcattggt ctaaaaatgg gaaattacat attgctgtgc     780

```

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| caagggcaac | aaacacctgc | agttaaagga | ataccttccg | cgaggcggct | tttcggagca | 840 |
| tgcatgttta | tagctccagc | caggccagac | cgagggtcgc | tgcataagcc | ctgcttggtg | 900 |
| catttcttta | cttgcaaggg | gacagagtgt | gggcttaggt | ttgggactag | agggggcttt | 960 |
| ggcaactatg | gtgctcaggt | gattatcctt | cgctcgttta | tccaataaac | aattatcaag | 1020 |
| caaaaa | | | | | | 1026 |

<210> 7766
 <211> 5418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(5419)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (5273)...(2897)
 <223> similar to gi3327064 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | |
|-------------|---|
| <400> 7766 | |
| tttttgata | atgaaacttt ttatatctgt tttgcacaaa tccccaccaa gtaatttcag 60 |
| cataaagcaa | accaaattggc agacgaaatg atgttaggta tccttgtagg tttacttcat 120 |
| aatacataac | ctctaattcca tgtccatctt cttgtttctg cttttaattc tgccatttcc 180 |
| tcttaaaatt | tagggtttaa caaagacaac agggctgttt gccaaatcgc agctattaat 240 |
| tcacagcata | gaaaagtcaa agctatagca aaaaattgct aatctgcaca actttaaaaa 300 |
| atagttcagt | acatttttgt tataaaattc atttacagga ggttattcac atgtacttgt 360 |
| caaatttact | cctgataatt cacaaaaaca tacaactcaa caaactgtgc acaataaatc 420 |
| caaggcaaat | tatatacaaa gaaacaaaac aagcttttaa gtagcacata ttcatttgaa 480 |
| ataactaata | ttgaaagaag acagggaaact ttcttttaat gccatggcaa agacgaagcg 540 |
| aagagccaca | cttcacacct tgtaaaaaga atagccctgt tcaacaacgc tgcgctgaca 600 |
| gccacatcag | gaggggccac ggtgaacata ggaaatggct ttggcaaata cttgtaccaa 660 |
| ctggaacgag | tgaagtttca aaagtaatgt gaggtacaac tgcattccgc tgtgaaaggc 720 |
| cgtcacagga | cacaggctcg tctgttagaa aggatgatct agttctacca ttaattcttg 780 |
| cagaatcaga | tctgctgagt ggtgaaccaa caggtgaaca caacgtaaga acaggcatca 840 |
| aaacttctctg | gaaataatat tgttcagtgt gtggcgga aatatgcatt ttagagaaaa 900 |
| cttatttctc | aaatcatgtg ttaatagtat taacatgagc agcgtgagag acatcctgac 960 |
| cccaacgttt | ttgcccatgc cctcccttta gaagcttagg agtttgtaca ttccttaagt 1020 |
| ggtcagcact | acaagtgtct gctaaaatgg gcacttcatc aagataacag gaaagcaaac 1080 |
| ttaaagtaac | gagatttctt cccaaaggca catggaagaa gctgatagag cccttgaccc 1140 |
| agacagaatg | ggacccatcc ctacccgtcc tgaactgtcg cacactgcat ggccaaagac 1200 |
| aaactctcca | ccccacaga ggaagcagt gctgactctg gggacaaagc actccaggaa 1260 |
| gtcacctgct | ccttgggttt caggagtatt cagttgaccg tctggacacc agtgaggag 1320 |
| acacaggtaa | tgaaatcaaa tgctcaaact tttggcaacc gaaagtgtt ttttaaagct 1380 |
| ctttataatc | tgctcaagta gaatttctaa cacaaaaccc ttttttgctt aaaaagcaga 1440 |
| tgacaaagga | aatgtcaa atgacacatg aatcttcagc tattttccta ccccaaatg 1500 |
| agatatgggg | ctgcacagca ttcattacag atccctagtt tttacaactg tcaactgtac 1560 |
| attctcatgt | ttaggatact ccagttcact gcgtggatat ttggaaaact ggacaaaatc 1620 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| aggcagccca | cccctccctt | gtcccagat | tctctgatct | ccattcacca | tgaceaattt | 1680 |
| tttccccac | aaaagcacta | ttacctttta | ttagtagctg | gaaacaccta | tcagatatcc | 1740 |
| taaacagcat | gtattttttac | caggtagatg | atctctgaag | atcacaggaa | gtctaccact | 1800 |
| ctcttcccag | ttctgaactc | ctctgggttac | gcttcatttt | aaatcggtg | cttctttccc | 1860 |
| gccccaaata | ttctattttg | cctgccccag | tggttcccaa | gctgcctggt | gatcagaatc | 1920 |
| ccttgggaaa | tggtgaacac | acagcttccc | aggctttctg | gaaaactagt | tagatctgtc | 1980 |
| tgacaatctg | taagctgagg | cgattcttcc | acagctgacc | cagcgcta | ctagcatttg | 2040 |
| gcaaccaa | gtctgtacct | caccagtcac | acaaggctca | caatatgctg | ggagcatttg | 2100 |
| aatgatagct | caagaattat | tctttcactc | catattcttc | tctctcaaga | agattaggaa | 2160 |
| tttttagctag | ggaactatgt | gcatactgaa | acaggtaaat | gaactcatca | cagaaatata | 2220 |
| ataccctggg | ccaatgcact | ctatctaaaa | atgcaccatg | tcagcaaaac | tttaccta | 2280 |
| ataaccgtgc | tgcccaaagt | gtcccccagg | agactccagg | tttttggggg | gttttttgt | 2340 |
| ttttttaata | gagccagaga | cacctgaccc | accagcacta | actcagctta | ttccaagcta | 2400 |
| ggctgttaaa | taattatctg | tcttgctcta | acaatggttg | aaaggaccgc | ccctcctccc | 2460 |
| atcttttttt | tttttggtaa | tataaagttt | gttctgttga | aaactgatta | acatttttaa | 2520 |
| cagggggaaa | gaaaagcggg | ctactagatt | aaatttttaa | aggattttgt | tatttgctat | 2580 |
| acaaatatac | atttcaactt | ttacaacatt | cactccagtc | tgacctcctt | gtctatagaa | 2640 |
| gactaagaga | tcaacatttc | cagtctctga | cttcaaggac | attattacgg | atacacaatg | 2700 |
| ccctctgaaa | gcttttgcaa | atgacagaaa | atactgagaa | tgaccagagg | ctcaggtgtt | 2760 |
| aaggatgcat | tttccatggt | ttccaacagc | acacaaaactc | cttacaaaaa | acaagcttat | 2820 |
| ctagatgggc | ccacgagctg | gtcatcttca | gtttacaata | tgctgtggct | gctggcccat | 2880 |
| gtcactgggc | tttccataaa | aagctttctt | ttcttggaac | tgctgtcctc | ctgctccagt | 2940 |
| gtcctcttgt | cccacctaga | gttccctcctg | gtgtgatggg | tctcggaacc | acacttctcc | 3000 |
| tgctccctt | cactgaaagc | cctggcctct | ctcctgtgac | agagctcctc | ttccgggtca | 3060 |
| tcacatttgc | tctgacacgt | ggaagcctcg | ggactggcag | ctggaggttc | gccccgcacg | 3120 |
| ggaggtttgt | ggctgctcag | agcagccact | acagcagcgg | gctgctgtac | atggctcagg | 3180 |
| tcttggtgaa | cgacagggaa | gcccggctcg | cccgtaggag | gtgttgctcc | aggatgctgg | 3240 |
| gggctcgagg | gttggtggatc | ccaaaggaat | attcctcctt | tgacctcaat | gcccacctc | 3300 |
| ttcagcagtc | gtgggtcctg | aagttggtca | tgaacaggag | gtctttcagg | gtcctttgaa | 3360 |
| gtaacagtaa | gagtaatttc | cttggagtc | gaggggtgtg | ggtatagaga | agcagcaaca | 3420 |
| gatgtcttgg | caaatccact | gtctagcttg | ctgctgggca | aaccacctg | gggtctggac | 3480 |
| ccctctgggg | ctatggtagg | agggtagtg | agacttctct | gcagcacagg | cttgagtttc | 3540 |
| agaatcttca | ctgcatcatg | tctatagttt | ttgtcacagg | tcttaataat | ggcaccacgc | 3600 |
| ttctgagcat | cctgaatcag | ctgattccaa | tgctgggttt | ccatcagggt | cctcaaattgt | 3660 |
| ccgaggatga | agaggctgta | cttggctcgt | gtgatggtga | cattcaatct | ctgcaaactt | 3720 |
| gccaggaatc | caattgaacc | ttggatgcta | tttgctctga | cacacgtaac | aataacacaa | 3780 |
| tccttctgcc | gaccctggaa | tgcatccaca | gtgtctactt | ctgctgggtcc | ttttctatcg | 3840 |
| aaactcttgt | ccaaatcctt | ctgaatcatc | gtcttctggg | ccttgtaatg | agttattatg | 3900 |
| ccaatgtttc | gaaaactaac | atcctttctt | ttgtctttaa | taagcttaat | tatttccatc | 3960 |
| accagtttta | tttcttgaac | atctatata | gagtcattat | cccgctcttc | tgaaccatct | 4020 |
| ccaacatcaa | acacaaggta | tggctgaaat | ggccaatctg | atgaacatcg | aatggcttct | 4080 |
| gtctgtctat | ttgttttttaa | gtttctgtta | taaacataat | tagaaggga | gaggcatatg | 4140 |
| tctggatgca | tctgtactg | aacagtgagc | tgtagaatgg | gcagcctgct | gatcatgttg | 4200 |
| tgttctacat | tctcttccag | cagtctgcag | aagcgagcca | tcattgactg | gtcgtagcca | 4260 |
| tactcctgtg | ctttcataga | gatgactgtc | ggaggagct | gcttaggac | tcctactagg | 4320 |
| atgagcttat | tgacgcatg | gatgagtgga | gtaagagtct | caatttcaca | agactgtcca | 4380 |
| gcctcatcaa | caatgacaca | gctgaagggg | acacccctt | gcccacggaa | agcagactca | 4440 |
| agtagtaaac | caccacttgt | gctcaacgtg | cagcagatga | tatgggactc | taagatgatg | 4500 |
| atactctgtg | ttttctgtgg | gcgtccttga | acctctttaa | ttttagaagc | aagttcctgc | 4560 |
| ctttccttag | aaacttttga | aatgttttca | tctaattctt | gcctctgtat | ttcccgcca | 4620 |
| cctcggcata | gagctcgctg | ccgggaaagc | tcattccagct | gataatctag | aaattccttt | 4680 |
| cttttatgca | tcgctgaac | atgagaagg | aactcttttt | tcattctgtg | gtttacttgg | 4740 |
| ctgtccaaac | tgaacttttag | aacctcacta | ttaatagact | tttctggacc | cagtcgtact | 4800 |
| aaatttatat | ctccacagtt | tcctaaagga | ttcttcttgt | ctttacattt | ttctttgaat | 4860 |
| tcaaggataa | tttttttcat | gagttcatca | acagctgcat | tggaagggtg | acacagagg | 4920 |
| acacggtttt | gtttgatttt | ggcattggag | ttttcgtctg | aatgcccctt | cctctgggtc | 4980 |
| tctgtcagta | gacgatagag | gaggccaaca | atagtttttg | atcttctctg | tccagggtgg | 5040 |

| | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------|
| ccatgaatca | agcagat | ttt | ggcaactgat | ggtgagtgtt | tcaccatagc | atatgcagtt | 5100 |
| tctattgctt | tcttttgatc | ttcattgaaa | tctcttaagt | acgcaataat | tctctcagat | | 5160 |
| ggtgtagtca | gtaaatcttt | tgtacagaag | tccatagggg | ttggattcag | aacagctcta | | 5220 |
| gccagttggg | tccgactacc | caacagagac | atggctttca | acttcctttg | tgtagttacc | | 5280 |
| agagaactga | ttacaataca | attcacaagt | tcgtttaaat | tggccggaaa | gttctcttga | | 5340 |
| gtctggatgg | aaaggtaaca | ctcagttttg | gaattccacc | gcacttannn | anggnctaca | | 5400 |
| atanagggct | cgatggcg | | | | | | 5418 |

<210> 7767

<211> 1456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (928)...(306)

<223> similar to gi2660676 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7767

| | | | | | | |
|-------------|-------------|------------|------------|-------------|-------------|------|
| ttgtggggaa | tggtgtaaaac | ctcaccctc | cctgctttat | tttcacattt | tttaacaaag | 60 |
| gccccaggga | aagggggaaa | ggtccaaacc | tgtggaaaaa | gaaggggctc | cctgtctcca | 120 |
| gggtcttggt | taaggttttc | tcccaattgg | cctagggccc | cagcccactt | ccctcactgg | 180 |
| cctcaaagcc | ctggagttga | gccctctagg | cagtcaaggg | caggcaggag | atgggccaga | 240 |
| gaggggagga | tgtgttcttt | aggtacagaa | tccctgacca | cgggggtccag | tgccctgtggg | 300 |
| ccaaccacca | ggaagctgtg | catgccacac | gccccaggcc | cctggtaatc | gcagaggtaa | 360 |
| ttatccccc | catgggctgc | cactactggt | tccatatgag | caagccgcaa | ggcctcctgg | 420 |
| aaaatgcggg | ggtccggctt | gggccagcca | gcagcctcgg | aggtcagcac | aaagtcgaag | 480 |
| tgttcacgca | ggccaaggcc | ccccaggatg | ccctctagcc | gtcgggtcaa | gttgagatc | 540 |
| actgccagtc | tcagaccccc | tgtgcggcac | tcctcagg | tgctctcagc | cccattcaac | 600 |
| acctgccagg | tgccaggggtg | gctgaagtct | ttataaaagt | gttcagcgat | gggggctaca | 660 |
| gcctgagcat | cctggacacc | cgccagggtg | aaggtctgca | ggaccacatc | cagccaccac | 720 |
| tggcgggagg | ttaggccgtg | gctcaggccg | tagttgggga | agctgtgggt | ctgagccctg | 780 |
| tatgcctgcc | tgaagccttg | ttccagggtc | gagggctcca | cctccagccc | atgggcccg | 840 |
| gccttggtgg | cataggcctc | ccctaagggg | tggcggagcc | tgagcagcgt | gtccttcaca | 900 |
| tcccacgtca | gcagtcgtat | ctgcagccgg | tgtgccatgg | aggaggccaa | gtccacccca | 960 |
| gttctgcctc | aggtccacag | gtgggtccca | ggggaagctg | agctggataa | gaccacctct | 1020 |
| gcgcaacct | acaatcacct | ctttccaggc | cttgtgggtc | agatttgctg | gctaactatga | 1080 |
| agcacttggg | aaatgtcttc | acagcacaag | atcccaaggt | cacagtga | cagtggcaca | 1140 |
| gccaggacca | gaacccaaac | ttccagactc | tctggccagt | tcttccactg | taccatgaga | 1200 |
| tatatattgga | ttttaaaaa | tggtgaacct | tttctcccca | cctccagggc | tcgggaaagg | 1260 |
| cgaagtccag | gagcccgac | ctgacgcaga | atgtctatag | ctgccgtcgg | cagcgtgagc | 1320 |
| tggggcggg | gtcctagggg | ccttgggcgc | ggccgacccc | ttgggtcccc | ttctcagctg | 1380 |
| tagggcgctc | acggctccgg | gccggttcct | gggccagga | cccgcctgac | tctcaagtaa | 1440 |
| gcatattgaa | accgca | | | | | 1456 |

<210> 7768
 <211> 1649
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1434)...(682)
 <223> similar to gi4929663 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7768

| | | | | | | |
|-------------|-------------|-------------|------------|------------|------------|------|
| tttttttttt | ttaataaaca | taagagtggg | tttattgatt | acatacaatt | ttagctatat | 60 |
| taatataat | tataaacttt | aagaattaga | aataagtga | ttttatTTTT | taaccaagaa | 120 |
| taatctaagt | tatggcagca | tgttcaatga | aaggtaagtc | cggcacaatt | tttctatatc | 180 |
| tgtttctcag | ataatcagga | acatcatcca | agctttacat | tacgatacca | taatgaccct | 240 |
| cagaacacaa | gttccattaa | gtagaaatga | agcatcatat | gttttctttt | ttaggaaaga | 300 |
| cccccccttt | tgttgtatag | acatacccct | aataatctta | ctctactgta | caaataactt | 360 |
| ttcaccacac | agagctgcct | caagtaactt | tcattttgga | aagctatcaa | ggcatgagac | 420 |
| agagtagcaa | aatgccactc | tggactttgc | atcttggagt | ttcaattttg | ctttaggatt | 480 |
| tagacccag | tttataatta | aaaccaaate | attcccacat | tattatactt | atgtaggaaa | 540 |
| gccttgctgt | gtccactggt | aacacaaaga | tagaaaatgt | caaatagttt | aagcaagtat | 600 |
| ttggcagacc | acagacatga | aacagtgccg | tcggaaacgg | aaacacttta | gtgttttaga | 660 |
| ggtgaagaga | ttgatgggtg | tcattcaaat | ttctcatctc | cttctcttac | atctttcaga | 720 |
| ttgagtactt | ccaaagaacc | tttgccttta | gtttcctttt | ttattagctc | atcaatttct | 780 |
| cggagcagc | ccgggtcaat | cagacatacg | atttctaact | gttggccata | atcttcactt | 840 |
| tctatgacct | tgatcagtgg | cttgagcttt | tctttcagct | tcttgcttcc | attgactgga | 900 |
| aggatgaacc | gaagcctcat | gtgagcacgt | tctatcttca | ttttctcttt | taactgcttt | 960 |
| atcacttcca | aagcctgctg | ttttgtactc | ttgttggttt | tcaccgaata | gtggatgtcc | 1020 |
| ttcatggctc | tctcaataag | gatcacgggtg | tatggctctc | ttgtttcagg | attcacacat | 1080 |
| ttgtctgcc | caatagtgtc | aatgtcccta | aacatctgct | ccagttgtgt | gtgtctttct | 1140 |
| ttatctgata | cttgaacttc | tccttttagtc | aaaatctgct | tacagatttc | agtttggtca | 1200 |
| tctgttccaa | acgcactgat | gagatcttcc | tttttgga | cctgaccttt | agaaacattt | 1260 |
| acaaacactg | agtgggtctg | cagaacttca | tcgaggtctt | tttccacgcc | gctccgccag | 1320 |
| ccgacgacct | tgtttttgta | gcaggcgatt | tcgaagcgct | tcccggcacg | cttcatccgt | 1380 |
| accacggcca | cattgggttag | gcggatctgg | ttggtggggg | tgaagatcga | catcgcggt | 1440 |
| gttcaaagac | ccagaagccg | gcgaaccagg | gctgaccgcg | gccgtccagc | ctgaaggcca | 1500 |
| ccagcgcttc | gcggtaacga | ccgatcggcg | cgcggcactg | acccaaccac | cagtgcgcgg | 1560 |
| cgccgcgact | cactagcttc | aggcagccgt | cacagtgtgt | ctggcagggt | tacttactgc | 1620 |
| gcaggcgctca | ggtggagcaa | aagacgaaa | | | | 1649 |

<210> 7769
 <211> 2017
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1865)...(829)
 <223> similar to gi1118113 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 7769
gttttcccca ggtacctagc aattaatgta ctgacaagtt tgaattcaaa cctgaatgat      60
cctggttgca ataattcata gtacatgact tcaattgttt aggattacta aactaaagac      120
catccacttc ttttttctat gtttcctatc actgaagttc tttatattta ataactacta      180
tggtagacta attatctcta gtggaatcta aatcccaaaa tattactttg tctttatcaa      240
tttaataact ggatacataa atgcaaattt attttatata ttagtaaaca cattttcatt      300
taaaaaacag catttttggg ggcaagtgcg tgtttctgta ataaagagaa agtatgtttt      360
cacatacaat cttgaatttc atcatgtttt gtatgctacc tgctgtgaca tgcactttac      420
catgacacta aatgccttag tacacacacg aatgaccact gtcaggaatc ttgagatttt      480
gacatttttt ggcgtttatt taaaaataaa attattttct ctagagcatg aaggaaaaat      540
ttaaaagtat ttctgctgtg ctagttctgt aaaaagttaa aaaatgagaa atggcggcac      600
cattttataa tcctgtgttt ttcaaggagt ggaggggtcaa attgttaaga aaaatattta      660
cataagctat tagcaatcat aattagagtg tcatagaatt ctgcatgcag cgactaagga      720
ggaatcccta gaagtccagg tgcttcttgc ctccggccat catgccacag cctgggcca      780
gccgcttggc ggattctgcc agatccattt tgcttgagcg gctcactgtg tctgacaagt      840
ctggaggcaa atgcagtcgc tcaatggtga atagcttctt ttttaattta aaagctaagt      900
ctttgacatc tgattcatca cagatcaagt tattaagccg aggaatctgc cgtatatgaa      960
tcaatccatg ataatcctta tacaatgggt tagtttctct ctcagaacca ataaatgatt     1020
ccagaccaac tactacatct gacaaggttg tgacacgggc aataatggct ttattctgga     1080
tcagatgtgt tggcattgtg atgatgcagg ctgaaagaga ggttctcaga agaccacgga     1140
gaacatagag gaacttggtg aggctgtgac tgttgccacc attttctgca cagcaaatat     1200
cgtctcccca taaaggtgag ccaagattct gaattcctat tcttaaaatg tttctctggt     1260
ttttctgagg attggatcca tcaaatectt cctcataaat gatgttctgg ataaactgaa     1320
gcagctttgt gtagccaggg gtcaaagaac agggttctac tttgagagtt gaagatattt     1380
tctctggaag aaaaaatcca tgccaatttg aagcctcaat tagttcttgt ggcattcttt     1440
ttgatgcac ataatagtga ccaaactctg aagatgatac tgggtccaatc tccatcttgg     1500
gtaataactg gtaacgcaa gctattttca tcttaatatt agattctggt gttttatgat     1560
tgtatacatc ttcacaaat tcctttttac atttatcatc aagtaatggt gctggaagtt     1620
cctgtaaaat gttggcagga tcctctttag cagatgcaac caacaaagta tgccattga     1680
caattccttc tgccaggaaa tacttgaaga gcaaagggtg gtaaataatta ttttatcct     1740
cctcaattag aagaactggt ccaacggcta aacctccacc taagagctgg tctagggctg     1800
ggagcccggg tgataccagc agctgtccat tccgcaccga cggtcgcgtg cccgcaatgg     1860
acaccagtcg agggccgctg tcgttggtca cgtggtctct aggaccctc ctctggaaac     1920
tggtgacgtt gctcttgctg gctgtcgcca ctgcagaccc agtactcgcg gcaacactac     1980
cgcaggttgc cactgccgcc atcttagagc ctccagt                                     2017
```

<210> 7770

<211> 1418

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1389)...(754)

<223> similar to gi2429446 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7770
tttttttttt ttccagggtg agtctgatga tctttatttc ttagacagcc ctggactggg      60
gctatgaaac acagtcacca gcactatact cactcctagg gtggctctgt ctgtggcggt      120
cctcaccatc cccgggactc atagctcagt gccaccccc gacaccatgc cctccagggg      180
gaggggacag cgaaggggag aggagggaga gccctgcgcc tggccctgtc ctgagtccaa      240
agattcccat ggtgatcaga gggcggtgtt gggaatgtgg gacacccttg gccccgctc      300
cctgacctcc ccactacccc accaaaccag ccttccttcc tcctggcact tccagtgtcc      360
attcccgcca gtgcaaagt gttaggtggg gtagggggtg ggataggagg ataaatagca      420
gcctggcggt ggcactggct ggtgctctgt ggtgggtatg agtaggggac ggggcccgt      480
tcctggagac aagctcctgg gtgctgtgat cagaagggtc ttagctcca gtagctggag      540
aacacggaga tcttgcctt gagctgctgg cagagctgca gggagacggt gaagtagacc      600
agggcgctcg tgagccagg gatcacgcac tccactttgt gcacgtggct cacctccagg      660
cgctgagagc cccactcgaa catggcccca gggctatgca gcaccgcgc cccagctggg      720
cggaagtctt tggaggagt gggctgcagg gcatgcagct ggtacaccgt gaggcagagc      780
ttgttgaggt tgatgtagac gttgaccagc aggtcggacg gcagggcagg ggcgaacatc      840
cgctgagggc cgctggcggc gatctcgggg agggtagagg tggcgggggt ggtgagccgg      900
tttcgggctc tggtcagctg cagcatcact gcgtccatca gcttgaggac ctcagcgcgc      960
gtcttgaact ggtagctctg gtcccggctg gtaagcaggt aaatggcttg gctcacatgg     1020
tttctggcat cctggatctg ctgcagcttc cactgcttgt cctcccggaa ggcgaagtgc     1080
agcagctggt tgttccgggg catcttcagg ttcacatccg cctggctgag ggcattcccc     1140
tgcaagtca gcacaccctt cacctggtct gtgccacagc tgcctaggat gaagttctct     1200
tgcttggcgg gccctcagt gccggagccc ggcagagtga agcgcagaga ggctccttg     1260
aggatgtcct gcagctgctt caacacagcg tgcacctcgt cgtgcagcag ccagcggaac     1320
tcctcctcca gcaccgccc ctccgcccgc gtcgctgcc tccaggtggc catggccgca     1380
ggccgcccgc gagcgccctc cccaccggcc gctgctcc     1418

```

```

<210> 7771
<211> 1825
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1826)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1671)...(494)
<223> similar to gil93871 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7771
tttttttttt ttcttattta aaatatattta atttctaaaa agcttaaata atattaaaat      60
ttaaacaatt tcattgtaca gtacttgaca atacatttca acaaactgaa aggcaaacca      120
gtaaatcagt tttgcttact ttctaagctt aataatgtac agactcttgc tcttcaagaa      180
gatgcaaaaa tcagcaacag tacaagtga atatttaaata aggaaatctg aaacaaaacg      240
ggattcaatc tgatcaaata ccacaattaa ttgaagtttt cattttattc aattgtgaat      300

```

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|------|
| aaaatagcag | acactgtttc | atccaataag | ccaatgatat | cagcttagga | gaaattgatc | 360 |
| tgcttgggct | tgtgcaagac | aagaacagtt | accttctgct | gaaaggatgt | gagttttcca | 420 |
| aatttgggtt | tcatgtcata | gtttccaaat | aaatgaaccg | ctccaccaa | aacgacagtc | 480 |
| tagttgctac | ctatcttcca | gggtttcatc | atacagccat | ttataagcac | aatctttgga | 540 |
| acgctctata | gtttcaaaaa | gtgttttgaa | gtcttgaggg | tgcatgttaa | ctactttctc | 600 |
| atcctcctgt | tttcctatct | gcatcaatat | atctctcgca | tcaagtggag | tcaatgaacg | 660 |
| taagtgggtc | attacagtgg | cgctgcgcct | cccaaaacag | tgctttaaca | agtgaaaaaa | 720 |
| tatattatag | ttcatagggt | ttaagttctt | ggtaaataaa | ttttgacgag | gaatcatttg | 780 |
| aataagatac | agcttttgtt | gtaattgggtc | taataattcc | ctacgctttg | ggttttccag | 840 |
| cggccctttc | cgggtgtata | tatcaaata | tgaccaaggc | tccatgtgca | gaaccttaat | 900 |
| ctcacaagct | aattgccaga | taacacttaa | tacatgatac | aagtctggat | ttccaggatc | 960 |
| tgccattagt | ttctggaatt | ctttttcacc | aataaacata | tttacttcta | ttcgtccaaa | 1020 |
| tttatatata | gaagtacagg | aatacaagtc | atatgcgagt | ttccaaagt | cccttttctc | 1080 |
| acctctactt | gggaacattc | caactacttt | taaagggatg | tctgctgtcc | aaggaactgc | 1140 |
| ttctattccc | aaattcttaa | agagccctcg | agaagacata | gcagggtggt | ttattactcc | 1200 |
| accacttcta | ggatctagtt | taaagaagtc | acagtgaatc | actcgtagtt | ttccatccag | 1260 |
| atTTTTTcct | aaggactcca | aatgtggaat | aaaagttttg | tcactttcga | gcgcaaccac | 1320 |
| tttggcacca | gcttcaagta | atgcctgagt | caggattcca | ggacctggat | tgactccag | 1380 |
| cagtaggtgt | ggaggtctac | ttggttttcc | caaatagatt | tgcgccagg | tctcagccaa | 1440 |
| tctccgatcg | gttacgtaac | gcttaaagtc | taagctggcc | ttagacgcct | tccttggcgg | 1500 |
| attcctgaaa | tccggttcgg | gccacagctg | cggagaggag | tcagagagcc | cacagtgggt | 1560 |
| cctcgccggc | aaatgctttc | gcgtcgccgc | ttcagaccct | aaaatgcaaa | agcgaccagc | 1620 |
| gcccgcgaag | gcggagagcc | tcagccgcgc | aggaagcccg | accactggga | tccacatgtc | 1680 |
| cttgtctctc | aggccgctc | caagaatcac | ctagtgcagc | tactacagt | aacccacgc | 1740 |
| aggggtatccc | acgtggaaca | ttttctggcg | tcccggacgc | gtgggtcnac | cgngnattcg | 1800 |
| aggcgatcga | cggcttcagc | cccct | | | | 1825 |

<210> 7772

<211> 3293

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2808)...(1612)

<223> similar to gi929660 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7772

| | | | | | | |
|-------------|-------------|-------------|------------|------------|-------------|-----|
| tttttttttt | ttagcatgta | attctatctt | tatttcttga | ctacataacc | tagcaggggt | 60 |
| ctaatactga | ccgtttcaat | ttaaagtctg | gaaaaatact | gaccaagact | ttctgtgaaa | 120 |
| aagataatgg | aaaacagaaa | ccagttagta | aagccatgca | aataggaagt | gattttcagc | 180 |
| cccaagagga | ctttgtatca | tctatggctc | catttaaacc | caagtagcat | ctgtcctggt | 240 |
| ggattttgaa | catccttttg | atttaacaca | gaagaagggt | tgttctaccc | tttaaaagca | 300 |
| tatcctcttt | tttcccccaa | cagactcctc | aacaagtggc | ttctaagaca | agactgggggt | 360 |
| tgttttctta | ctgaaaatcc | tgtgtttatc | cagtcttttc | cttttcaatt | tctgagttta | 420 |
| gcttacctaa | cagcaaaaaca | gaatcctcaa | atttctcaca | gagcaatgaa | aagcaaaaaca | 480 |
| gttgggtttct | ctgatcaaca | tcatttttcag | tatgaaaaca | aaagttatga | ctcctagacc | 540 |
| tttgaaatat | ttacaaattg | tacttttaac | aacggagatt | tttcagtgtg | cttctaaaac | 600 |
| aaagtaaagg | gatcagaaaa | tgtggttcaa | gtcaagtgtg | caaagctctc | gaagaaagggt | 660 |

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|------------|------|
| cctgcagcct | ggacaggagt | acaaatattc | tcttatacaa | gttaaagtga | cccttttcct | 720 |
| ccacaacatt | tttgaatga | aacagcaaat | gcattttatac | tcacaaatca | gtcaaaaggc | 780 |
| ctcttctcct | tattaagccc | tttacacaca | gatgataaaa | gcaaggtttt | cctacaatag | 840 |
| atgtggccct | accacatatt | caagatacaa | tcatectacc | atcagttagg | ttatgcttta | 900 |
| aatatTTTTga | aatcaggtat | ccttaactac | tgatttcctt | ttagaaacta | tcttgagtgt | 960 |
| tagattttca | taattacacc | atTTTTaact | tttagctttt | taaacttcta | gacaaactat | 1020 |
| atgtttaagc | aaaaacaaaa | ataaaaaatcc | tcaaaaaaag | taatatcaga | gttttaattt | 1080 |
| caaccagctg | gcacaacaat | gaaagtgtca | gactttctga | aagtactcga | gaaataatga | 1140 |
| ataaattctt | aatgttttcc | cctccaccgc | ccttttttat | tctccaagat | taggaattac | 1200 |
| tacggattag | gtttttgaaa | ataaagtttc | ctttttggaa | aatggtctac | attcagaaat | 1260 |
| gtcttagaac | aagcatttaa | aaaaaactaa | taaataatca | taaatacaaa | tacattaaaa | 1320 |
| taaaattaca | gtacatcatc | gtccttagaa | aattcaccat | acaagacgat | cctttcaaag | 1380 |
| gttcataaat | aaaagtcttc | ttgactcgaa | atcgtttcct | gcatcgtgat | gaaaagtatg | 1440 |
| cagaaaaacta | agaagaatcg | caagttttca | gtaggggtgat | gtccaaacta | cttgatctgg | 1500 |
| tgcggggcgg | agagactgtt | ttgcttttga | tccaagtga | gacaatagaa | atgtgctcgt | 1560 |
| cccacttcct | caagtectca | aaaccttgtc | ttgcccgga | gctgccctt | tcaggcagag | 1620 |
| ttggaggtgc | tgcggagaag | ccggtgcccg | tgcggctgcg | agtgcggctg | tgggtgtggg | 1680 |
| tgcggtatTT | ggtgcggatg | cggtgcggg | tgaggggtgtg | ggtgcgagtg | aggatgagag | 1740 |
| tgtggatgtg | gatgtggatg | cggatacggg | tggagctgct | ggggctgagg | cttgggttgg | 1800 |
| ggctgaggct | ggggttgTga | ttggggctgg | ggttgctgcg | cttctccagc | acgccctcct | 1860 |
| tcagcgcttt | gcggctgcgg | ctgcgagggg | ggctgctgct | ggaccagggtg | ctgctgcttc | 1920 |
| tgcgcgttgg | atTTgaccgc | caggatggcc | tgacgattct | tgtactgcac | catctgcagc | 1980 |
| gtgatctcgg | cgttccagcc | ctggctcttgc | gggcaccgaa | agtcgatctc | cttgccctct | 2040 |
| gccatcacca | cagtgaagta | catgtacttg | cccttgcgct | ccacacagtc | cacggtcttc | 2100 |
| atgttggaga | agtgcagttc | cttgagcttg | accggcggtc | cgaggctggc | gacagcgggg | 2160 |
| ccactgggtt | gggacggctc | ggccggcccc | tgcccggtct | gttggttgcg | ctgctgctgc | 2220 |
| tgctgttgcT | gctgctgctg | gtgttgccagc | tgcttgggcg | ggataagcag | cagcccttcc | 2280 |
| tcggtgagga | tgcaacactt | tttcttccag | agctgcaaca | acccgtcgct | gcgcttctcc | 2340 |
| agcacgccct | ccttcagcgc | tttgccagccg | ctactctcca | gcatcctccc | agcataagag | 2400 |
| gggcccgcgc | ttggctcggc | ctctccgttt | ccagccgcgc | gggcccgggg | cagcagcagc | 2460 |
| agcctcgcgc | cgtcctcgcc | ccagcggctc | ccacggccgc | ctgcccgag | cgcgcagagg | 2520 |
| aggctaacac | gcaggaggca | gagcggcggc | ggcggtctctg | ggtcccggca | gagggacagc | 2580 |
| cgcgtcctga | tgcgccacaa | ggtcccggag | ctccgagctg | ccgggcctct | gccgtcctct | 2640 |
| tgcgagcgct | cactgaaggg | cactggccgg | gccccctcgc | ggcgcttttg | aatgggccat | 2700 |
| cttccccacc | cccagtgtag | accagcggga | aaaggcggtc | cctggcgccc | gcaccgcggg | 2760 |
| ggaaagccca | gctccaagag | gcgctcggca | gccggcgcac | gcctcattaa | cttggggcct | 2820 |
| ttccaaagcc | cgctgcgtcc | acgccctcca | gcgtctcttg | ctccgcctct | cgcgcgccac | 2880 |
| ttgcttccgc | gctcgttccc | ctggaaggcg | acccggaccc | gagccccgga | aactcctctc | 2940 |
| ctctaccag | ggcgatcgcc | caaggagccc | tggtcgcttg | actactgccg | acgctcacag | 3000 |
| ggcgctgcga | ggccatcccc | cgcgtccccg | ttctccccgg | cccgcgggac | tctctgctaa | 3060 |
| cagcctcaga | aagtgaggac | gggggcgcgg | aggcgggggc | agcctccagg | cagtgtgtcc | 3120 |
| tctcggttct | tgggaattag | cccgggggat | tgcgctggg | ctccgagagc | ccgcagaacc | 3180 |
| agcgtcgtgt | cctgggcgag | ctgggaggcc | ggggccgagt | cccgcgagtc | ccgcgagtgt | 3240 |
| gcctcccccg | gacgcctagg | taaacaactg | agcgcacaga | ggccgagagg | act | 3293 |

<210> 7773
 <211> 1941
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1942)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (668)...(302)

<223> similar to gi780241 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7773

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|------|
| tttttttttt | ttctaattta | attctttatc | attcaagtag | agagacaggc | attttccaaa | 60 |
| gcaaacccaa | ccctcgtgat | tattttctagc | caggggtgaag | ctaaggaagg | tagcagtagg | 120 |
| tggttaggatc | agcaccttgg | ttccaggcat | cacgccagtc | attttatttc | catcatcatc | 180 |
| cttgtgaaga | aatggaagtc | tggagagggtg | aatgatgaa | ggcaatctgg | ccacaaatct | 240 |
| tccttctgga | tcctgctctt | cagggcatgc | atctcccatg | ctgaagggtta | aatgggggt | 300 |
| catttgccaa | caaatttggg | agtccgcttc | tcctgaagg | ctgccatgcc | ctctagccgg | 360 |
| tcccgggttg | gaatattctg | ggcatagcac | atcccttcaa | tggccatccc | agatgcaatg | 420 |
| tccacctccg | ttcctcggtc | aatggctact | ttgccagcc | gcacggcaat | gggggcctgg | 480 |
| ggcaggatct | cctggggccag | tgctcgtgcc | cgctggtagg | cggcgtcccc | ctcctcgttc | 540 |
| tggggccacag | cgtgattcac | cagccccagt | acgtgggcct | cagttccact | cagtcgtcgg | 600 |
| cccgtgaaga | tgagctcctt | cgccagggcc | acccccagac | aacggggcag | cctctgagtc | 660 |
| cctcctacca | ggatggaggg | agcagggtgg | gaatcagcat | gggaagtggg | aaccagaga | 720 |
| aggctcagcc | tgggactcag | ccaagacttc | tcagaggagc | agggttcagg | tgggagggca | 780 |
| gagcccagaa | cagagggcaa | aaaaggaaag | cagcgaagga | ccctggatgg | ggtggaattg | 840 |
| ggcgggtgct | gtagttgcga | ttacctgccc | cggggaggag | ccctcgcgtg | gtctcaatca | 900 |
| gtcccatgac | tgccgaggaa | gctgctcaga | tagaaciaag | tgaggcctcc | ctccccatc | 960 |
| cggtcccca | gtgctaatac | cggggggccac | agctgcctct | gctgtctact | cgcccccta | 1020 |
| gccacttgcc | ccatgggtctg | gccacagcca | ggcctctcca | gactctgcct | ttggaagagc | 1080 |
| cctagcccag | aagtcaggag | cccaggccct | tatttcacca | tgcccctttg | atggagttgt | 1140 |
| aagtcaccag | caagtctcac | ccttcccaag | cctcaaaggt | ggaagaaaga | tggctggccc | 1200 |
| tcttctgtct | gcttcagaga | gccgctaagg | atcacacgag | gtacgacgct | tggacaagg | 1260 |
| agagttccta | ggaggtgccc | catatctatt | tgtggattac | tattaatagg | ttctctggct | 1320 |
| tagccctggc | ctggcctaga | atgtcagtga | ctcctgctcc | tgctacagtc | gtccgttcca | 1380 |
| gctttgtcac | agcctgaaat | tgccctgact | gttccagtcc | atgtcctcct | gagttctgct | 1440 |
| tccttccttc | gagaaaacttg | ccttgactga | cgcaccccc | cgggtctgtc | tccttttctg | 1500 |
| aattccctca | gcatggacca | tgtgaacgtg | ggcagaaggg | agtgggtttt | acattcactc | 1560 |
| cgtcttagtc | ttccccaaaa | ccctgtgagt | tagttgcgtg | aacgtgggca | tgtgagaagg | 1620 |
| agagttgggg | ctagaccagc | ctggatattt | ggtgcctgga | cacctggtca | gttccttctc | 1680 |
| tttgacctgc | attgtgtaga | cagaagctac | tttcatgcct | ggagctacac | atttttatat | 1740 |
| gttgctcctg | gggtggcagg | agagagcgg | ggggggagaa | gggaagacat | tcagactttg | 1800 |
| cctaactgca | tccaagaagg | ctgctcctaa | tcaccaggtc | agtcacctga | gaaaatgatc | 1860 |
| agttatcttc | tttatccctt | ccattcttc | aaacaaagct | caatgaattg | cccttcaatg | 1920 |
| atatgatctc | aaangggctc | c | | | | 1941 |

<210> 7774

<211> 1120

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (148)...(455)

<223> similar to gi1049295 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7774

| | | | | | | |
|-------------|------------|------------|-------------|------------|-------------|------|
| accgttcgat | aaccctcggg | tgcacccacg | cgtccgctgt | gctgcgcggc | gcggcgcggc | 60 |
| gcggcacggc | acggtgggag | tgtctccggc | tggcctgcag | ggagaacacc | gactgagacc | 120 |
| tcaaaccctg | gctccagtgt | catggaatcc | gtcacctttg | aggatgtggc | cgtggagttc | 180 |
| atccaggagt | gggcattgct | ggacagcgca | cggaggagcc | tgtgcaaata | caggatgctt | 240 |
| gaccagtgc | ggaccctggc | ctccagggga | actccaccat | gcaaaccag | ttgtgtctcc | 300 |
| cagctggggc | aaagagcaga | gccaaaggca | acagaacgag | ggattctccg | tgccacaggt | 360 |
| gttgccctggg | aatctcaact | taaacccgaa | gagttgcctt | ctatgcagga | tcttttggaa | 420 |
| gaagcatcct | ccagggacat | gcaaattggg | ccggggctgt | tcctgaggat | gcagctggtg | 480 |
| ccctccatag | aagagaggga | gacaccattg | actcgagagg | accggccagc | tctccaggag | 540 |
| ccgccttgg | ctctgggatg | cacgggactg | aaggccgcta | tgcagattca | gaggggtggtg | 600 |
| ataccagtgc | ctacactggg | ccaccgcaac | ccatgggtgg | ccagggattc | tggtgagtga | 660 |
| gtgctgcgtg | gaacacgtgg | ccagagggcc | ctgctgtcct | tgtgttctgt | ccaggaactt | 720 |
| gtatcctatc | ctgcctgcat | ttcctctgac | tgcaggcaact | gccgtggcac | catagagagg | 780 |
| atacagaagg | cctctctcat | tatttgtgtg | tttaagtggg | agggcacttc | cagtgcacaga | 840 |
| tctttaagaa | agagagggct | cactcaacca | cagcaaaggc | cagacctctc | tttgggcaac | 900 |
| atgaaattct | tgactacacg | ataatgttga | ttttgaaaaa | ttatgattga | atttactaga | 960 |
| aatggcctgt | gttttaactg | tgtttttata | aatgaggttc | aggccggttg | cagtggctca | 1020 |
| tgcctttaat | cccagtgtt | tgcaaggcct | aggcaggagg | attgcttgag | gccaggagtt | 1080 |
| caagaccagc | ttgggtaaca | tggtgagacc | cctatttcta | | | 1120 |

<210> 7775

<211> 2745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (51)...(1236)

<223> similar to gi577315 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7775

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| gtcgacgatt | tggtgtgcct | ccctcccgcc | gccgcctctt | cctcggtgag | gcgctcttcc | 60 |
| agcgggcagg | cagcatggcg | gccgtggaga | cgcgggtgtg | cgagacagac | ggctgcagca | 120 |
| gtgaggccaa | gctccagtgt | cccacttgca | tcaagctggg | catccagggc | tcgtacttct | 180 |
| gctcgcagga | atgtttttaa | ggaagtggg | ctactcacia | gttactacat | aagaaagcaa | 240 |
| aagatgaaaa | ggcgaagcga | gaagtgtctt | cctggactgt | ggaaggtgat | attaatactg | 300 |
| acccatgggc | aggttatcga | tatactggta | aactcagacc | acattatcca | ctgatgccaa | 360 |
| caaggccagt | gccaagtatt | attcaaagac | cagattatgc | tgatcatccc | ttaggaatgt | 420 |
| ctgaatctga | acaggctctt | aaaggctact | ctcagattaa | attactctca | tctgaagata | 480 |
| tagaagggat | gcgacttgta | tgtaggcttg | ctagagaagt | tttggtgtgt | gctgccggca | 540 |
| tgattaaacc | aggtgtaact | actgaagaaa | tagatcacgc | tgtacactta | gcatgtattg | 600 |

| | | | | | | |
|-------------|-------------|------------|-------------|------------|-------------|------|
| caagaaattg | ctacccttct | cccctgaatt | attataat | cccaaagtct | tgttgtaacct | 660 |
| cagtgaatga | agtcatttgc | catggaatac | cagacagaag | gcccttaca | gaaggtgaca | 720 |
| ttgttaattgt | ggatatcact | ctttatcgca | atgggtatca | tggggacctg | aatgagacat | 780 |
| tttttgttgg | agaagtggat | gatggagcac | ggaaacttgt | tcagaccaca | tatgagtgcc | 840 |
| tgatgcaagc | cattgatgca | gtgaagcctg | gtgttcggta | cagagaattg | ggaaacatta | 900 |
| tccagaagca | tgcccaagca | aatgggtttt | cagttgttcg | aagctattgt | gggcatggaa | 960 |
| tccacaagct | ttttcatata | gtccccaatg | taccccacta | tgctaaaaat | aaagcagttg | 1020 |
| gagtgatgaa | gtcgggccat | gtattttaca | ttgagccaat | gatttgtgaa | ggcggtatggc | 1080 |
| aggatgaaac | ctggccagat | ggttggactg | cggtgacaag | agacggaaag | cggctctgctc | 1140 |
| agtttgagca | cacctctctg | gtcacagaca | ctggctgtga | aatcctaacc | cggcgacttg | 1200 |
| acagtgcacg | gcctcacttc | atgtctcaat | tttaatttct | cccaagatgg | cacatctcag | 1260 |
| taccttctta | ctgtgctatg | cattttattg | agagtacaga | aaggaagagg | aacctttttt | 1320 |
| taatcacttg | ttttgttttg | actatagata | agaaaggact | acagcatttg | atgtgtgtcc | 1380 |
| tcaagaactt | gtcttgggtc | tgaaaaagct | gagaagaata | aaggaaacat | tgctcaactc | 1440 |
| ttcagccccc | tccccctgca | cacctgtttt | ctcatttgcc | ctttgagcac | ttttacttaa | 1500 |
| acttgcttgt | agttgctttt | atcactgccg | caaaacagcc | atcaagagcc | atctgctttc | 1560 |
| caggtgaaca | ttggaaatga | gaatctttga | aacttagcaa | tatgtgttgc | accagatttt | 1620 |
| ttaaattata | tatatggaaa | tatatatgta | tacattttta | gttctgtata | cataattacc | 1680 |
| aaacactatg | tgacctggag | tttgtgttgt | ttctgctctg | acaggtttat | atgttcttac | 1740 |
| aaatggatcc | atagtttgca | gtgatttaat | tcctggttgg | gatttggcct | ccccctctcc | 1800 |
| ccatgcta | tatttacccc | ttgtaaattg | tggcataggg | aagcactcac | ccaatgagac | 1860 |
| tttctccaat | gtggactctg | tgtgtcagtg | aatgaatgta | gtaaaattca | ctttggaagg | 1920 |
| gttatcaggc | ttttaaaaat | ctagtttatg | ggcaaaaata | gccattttcc | aagtgggtggc | 1980 |
| tgactgttgc | agggaaatgag | aatttcataa | tacactgcta | tttcagacct | ctgtttgggtc | 2040 |
| agaaatggaa | aagaaaaagc | cccctttctt | cccttttctg | ttttacttca | agggcatacc | 2100 |
| ttggagggtgc | tcagagaagc | gtgaagtttg | cactatggtg | gaggatgggg | aaagagttct | 2160 |
| aaagtgtctc | cagctgtgaa | cccaggaggt | caagtgggct | attaaaatct | aacgttgagt | 2220 |
| aaatgtgata | gtgatgagaa | aggaattttg | tgtactgtaa | ccttgcagta | gagatgcagc | 2280 |
| tgctccttcgt | gtgtggaaac | acacctctcc | tttacatagt | tgggaacctc | attagaaatg | 2340 |
| acctcagctg | ccccatatat | acgttccttt | ccagcagttg | tcccaagtag | gagtgtatcc | 2400 |
| aagtgaagac | atatcaaata | acaaagtc | atgtcattaga | gtgtacttga | ttacctgggc | 2460 |
| atccttgtaa | tataatttca | taccactgac | acattatact | tgtaagagaa | catctttccc | 2520 |
| agagtgcctc | agaccttatt | gctttaaaat | ataataatgt | tttcattact | tttattat | 2580 |
| gaatgattta | gtaaagttga | ctgaatctgg | tatagacttt | gggagtatgt | gtgtgaagtt | 2640 |
| tttatcaaac | tgtaatat | gtgaatggaa | tgcccttgcaa | tatgaatgtt | aatataatgt | 2700 |
| gtaaagggag | attaaaaagt | ttgaatgatt | atcctaaaaa | aaaaa | | 2745 |

<210> 7776

<211> 2222

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1997)...(1560)

<223> similar to gi2959370 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7776

| | | | | | | |
|------------|------------|------------|------------|-----------|------------|----|
| gtcaaaaggg | ctgtagcaca | ggatggagtt | tgatttatcc | ctcctcccc | aacacctagg | 60 |
|------------|------------|------------|------------|-----------|------------|----|

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|------|
| aactgaatct | ttttcttttt | attttttgag | atggagtctt | gctctgttgc | ccagctggag | 120 |
| tgcagtgggtg | tgatctcagc | ttactgcaac | ctctgtctcc | cgggttcaag | caattctccc | 180 |
| atctcagcct | cctgagtagc | tgggattaca | ggcacacacc | accacacctg | gcccagctaa | 240 |
| ttcttttttg | tatttttagt | agagacgggg | tttcaccatg | ttgcccaggc | tgggtctcgaa | 300 |
| ctcctgagct | caggtgatcc | acccgtcttg | gcctcccaaa | gtgctggatt | acaggcataa | 360 |
| gccactgtgc | cgggcctgaa | tcttgtcttt | tgacaatacc | aaagaaatag | ggggtagcta | 420 |
| gagtaaagaa | cctagggcct | ggacctgggc | tggacagtgt | atccctttag | gtgtgggaac | 480 |
| tgggtatttc | cctgggggtct | gtatgccttt | gtcttgtcat | ttgcttttag | ggcagatgac | 540 |
| actttttccc | acccttttaa | agctacaagt | ctatcttctt | tcttgaccca | tttcaggagg | 600 |
| gagccctctc | ctttatcctg | atataatatt | taaaagacag | aacaagaaag | catgtagccc | 660 |
| taatgatagg | agattatcgc | atagagtcca | gagactggaa | actgaatttt | ccctcgactt | 720 |
| tcacttttgtg | ggtaaatacac | ccaatttttag | gctcttttct | gcaaggatgg | ccaaaattaa | 780 |
| tcatttttaa | aaagtagatt | catgcccaact | gcccttgggt | gagggggaag | aatacggggg | 840 |
| ttcccagaag | cccccatgtg | atccaagggt | ttgtattttt | tttttaagtt | tgttcatatt | 900 |
| tgtatgtaca | tgactattta | aagccagggg | attatctttc | tataaatgta | taactggcaa | 960 |
| cctgtatctt | ccctctttgt | tgcccataata | gccggagccc | tttttctcat | ttgagaatct | 1020 |
| cttccctact | aagtgttaag | cttagagtga | agggcacctc | ctactggacc | aaaggagagg | 1080 |
| ggattggaga | attgttttaa | gttttataca | ttaaggacag | aattccatct | tcccaccccc | 1140 |
| agccttattg | aggacagctc | tctaccatc | ctgattaaac | tgtagctata | gctgaaaaaa | 1200 |
| attattgtaa | gaaaaataca | cagcaaaaca | gagctggaag | gtggtaagt | taaaagatat | 1260 |
| ggaaagatgt | aatcaccaaa | gaagctgccc | aaatggcttc | ctgctatgga | ggagagtgat | 1320 |
| ttggccctta | cctcacctgc | cttcctgatt | caaagaaact | tgccactagc | aggactgggc | 1380 |
| ccaggagccc | catttgccaa | tctcttctct | tcttgggagt | ctgggaaagg | ttgtatagtt | 1440 |
| ctcaggcttt | aaagggtgtag | aagacagtat | ggagaataag | agaaggatgt | tttatagtcc | 1500 |
| tctgttttcag | tgctttcccc | atgcccattg | agctgtccca | aaacccatcc | ctcagtattt | 1560 |
| gttgatgcc | aagacacgaa | ccccatggaa | ctggggcaac | ttcggcagca | gtacacttag | 1620 |
| caatgaggct | gtgttgatga | ggaagtgcgc | agcatcatac | ttggtataga | agctggccag | 1680 |
| gagatagagc | acaataggag | agatgctgag | gaacttgctg | gaagaggtaa | actggagccc | 1740 |
| atagtccatt | tgctcccagt | gtgtcagtag | ccgagccttt | ccttgggtcag | gagtctcaaa | 1800 |
| gggtgtccct | ttcaccgtat | gaaggaagac | atacgtagcc | aggttatgga | tgacgttgg | 1860 |
| caggggtccag | acaacaggaa | tgctgaagaa | ggggatgctg | agtagaacca | tatgcagcaa | 1920 |
| tcctaccaag | atgatgtagg | ccagccagat | gcctcggtta | ttcatcactc | gggtgttggg | 1980 |
| gtttacttcg | ctgtgtgcc | ccccacatt | catectgcc | gtcagatcc | ccgtccggct | 2040 |
| atgggcgcgg | cgccggctac | cacacctgaa | gtctccagga | agtaacgcct | ctccttctgc | 2100 |
| ccctttccta | ttggagggaac | agaatcagcg | ctgccaccac | ccattgggtg | gtggtctgta | 2160 |
| atgcagaagc | acagttgggt | gccatttctg | tcttccgcaa | gatacagtgc | ccgccccctc | 2220 |
| cc | | | | | | 2222 |

<210> 7777

<211> 1584

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (249)...(969)

<223> similar to gi5815233 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7777

| | | | | | | |
|------------|-------------|------------|-------------|------------|-------------|------|
| tgggatagcg | cgcgaggccc | tcggtcggac | gggacgctcg | ggattcaggg | actgcctcgg | 60 |
| cacacgggaa | gttgccctac | aggcgcgggg | gaaagcgag | gcggcggtt | ggcagggaga | 120 |
| ggcaggctgc | agtgcacatt | gggtcaggca | cacgcgaggg | gcagcccccg | agggccgtcc | 180 |
| cagagtcccc | cgcgccgccc | gggtcctaac | ggggtgcacc | gtcttccgcc | gcacgtggat | 240 |
| tcagcgcgat | gccccaaatcc | aagcgcgaca | agaaagtctc | cttaaccaa | actgccaaaga | 300 |
| aaggcttgga | attgaaacaa | aacctgatag | aagagcttcg | gaaatgtgtg | gacacctaca | 360 |
| agtacctttt | catcttctct | gtggccaaca | tgaggaacag | caagctgaag | gacatccgga | 420 |
| acgcctggaa | gcacagccgg | atgttctttg | gcaaaaacaa | ggtgatgatg | gtggccttgg | 480 |
| gtcggagccc | atctgatgaa | tacaaagaca | acctgcacca | ggtcagcaaa | aggttgaggg | 540 |
| gtgaggtggg | tctcctgttc | accaaccgca | caaaggagga | ggtgaatgag | tggttcacga | 600 |
| aatacacaga | aatggactac | gcccgagctg | gtaacaaagc | agctttcact | gtgagcctgg | 660 |
| atccagggcc | cctggagcag | ttccccact | ccatggagcc | acagctcagg | cagctggggc | 720 |
| tgccccaccg | cctcaagaga | ggtgtggtga | ctctgctgtc | tgactacgag | gtgtgcaagg | 780 |
| agggcgatgt | gctgacccca | gagcaggctc | gcgtcctgaa | gctttttggg | tatgagatgg | 840 |
| ctgaattcaa | ggtgaccatc | aaatacatgt | gggattcaca | gtcgggaagg | ttccagcaga | 900 |
| tgggagacga | cttgccagag | agcgcatctg | agtccacaga | agagtcagac | tcagaagatg | 960 |
| atgactgaaa | gggactcggg | actgaaggtc | tcttgggaagc | ttctgggtct | cactggacca | 1020 |
| tcaggactgc | tgccgcccct | ctggagagag | cagcttttta | tttgtctgta | gacagggaac | 1080 |
| atgatgggca | ctgacctcct | gtaaagaata | aaactgtggg | ccgggcgcgg | tggctcacgc | 1140 |
| ctggaatccc | agcacttttg | gaggccgagg | tgggcagatc | ataaggtcag | gagattaaga | 1200 |
| ccatcctggc | taacacggtg | aaaccccgtc | tctactaaaa | atagaaaaaa | aaactagtgt | 1260 |
| ggcatagtgg | catgtgcctg | tagtcccagc | tactcaggag | gctgaggcag | gagaatcact | 1320 |
| tgaacccggg | aggtggaggt | tgccgtgagt | tgagattgga | ccactgctct | ccagcctggg | 1380 |
| caacagagta | aaactctgtc | ccaaaaaaaa | aaaaaataca | accttgcagg | atgtctctcc | 1440 |
| tggagacagc | aagaggggaag | aggagggaga | gggctctttc | ttagaaaaga | ggcctttggg | 1500 |
| gagcccagaa | gtttgaaacc | agcctgggca | attcagcaag | atcccgtctc | tacaaaaaat | 1560 |
| aaaaaaaaat | tagtcgtggt | gccca | | | | 1584 |

<210> 7778

<211> 1072

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1006)...(96)

<223> similar to gi825689 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7778

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | ttaagttgaa | aaataccttg | tttaagacct | ccctgggacc | cacaggggca | 60 |
| cgtgtggccg | taagcctgtg | gcagcccaat | cgttagcctt | tttcttcttt | gagcctctct | 120 |
| aagtacatct | gcagggactt | ctggatggag | tctttggaga | tgaagctgac | gaagttctgc | 180 |
| acgtccgcat | cgcgctgcgt | gaccaggcgg | ctggccgtgg | cctttcgcac | catggccttg | 240 |
| gtcagctgtc | gagcatggtc | tggaaatggc | atccactggg | ctatcgctga | cagcgagctg | 300 |
| ctctgcacct | gctcctccgg | gaccacctgg | tccactatgc | ccacctgcag | ggcctccgcc | 360 |
| ggcggaaga | gcagccccag | ctgcagggca | cgctccgccc | ccgggtgccc | gatggtgttc | 420 |
| tccagggtgt | ctttcaacca | gaaaggggag | atgatgccc | gctgggtctc | attgagtcct | 480 |
| atgcagtacc | tggggtgtgc | cgccaggatg | cggtagtac | aggtcagggc | caccaggcag | 540 |
| cctccagcgg | ggcaggctcc | gttgatggcg | gagaccagca | ccaggttggg | ctggtacaac | 600 |

| | | | | | | |
|------------|------------|------------|-------------|------------|-------------|------|
| cgagccaca | gctcctgaac | ggccttccag | taccagcgt | agtgggcggg | gctcctccca | 660 |
| cacatctccg | tcaggtccag | gccggccgag | aagacaccg | ggcggtcgga | ggtcagaatg | 720 |
| acaccgcgga | agctcttgtc | attctccagc | ttctccaggg | tgatgaccag | ctccgtcaga | 780 |
| aactccaggc | tcaggtctgt | cactgggggg | ttcttgaatt | tcatcacagc | gacctctgcy | 840 |
| cccgcgtccg | gctccaccag | caccgcgtgg | ctcccgaaagc | gccgcgcgcc | gtctccgcgcg | 900 |
| ccggccgccc | gctccgtccg | cccagggccc | gcgcccggga | gccgggcccc | cgcccgagac | 960 |
| agaacgcgcg | ccgggactcg | cacagaagcc | accagcgcca | tcttgaccgc | aacgcgcggg | 1020 |
| ataaaggctc | cgggctgagc | tcgcctcctg | gggagggggc | ggcacgcaac | ta | 1072 |

<210> 7779

<211> 1878

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (109)...(1108)

<223> similar to gi4895164 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7779

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| gccaacatct | tatcatctcc | ttctaaaaga | ggacagaagg | gtacccta | tggatattct | 60 |
| cctgaaggaa | cacctcttta | taacttcatg | ggtgatgctt | ttcagcacag | ctcccagtc | 120 |
| atccctagat | ttattaagga | atcactaaaa | caaattcttg | aggagagtga | ctctaggcag | 180 |
| atcttttact | tcttggtgct | gaatctgctt | tttacctttg | tggaattatt | ctatggcgty | 240 |
| ctgaccaata | gtctgggcct | gatctcggat | ggattccaca | tgctttttga | ctgctctgct | 300 |
| ttagtcatgg | gactttttgc | tgccctgatg | agtaggtgga | aagccactcg | gattttctcc | 360 |
| tatgggtacg | gccgaataga | aattctgtct | ggatttatta | atggactttt | tctaatagta | 420 |
| atagcgtttt | ttgtgtttat | ggagtcagtg | gctagattga | ttgatccctc | agaattagac | 480 |
| actcacatgt | taacaccagt | ctcagttgga | gggctgatag | taaaccttat | tggtatctgt | 540 |
| gccttttagcc | atgcccatag | ccatgccc | ggagcttctc | aaggaagctg | tcactcatct | 600 |
| gatcacagcc | attcacatca | tatgcatgga | cacagtgacc | atgggcatgg | tcacagccac | 660 |
| ggatctgcgg | gtggaggcat | gaatgcta | atgaggggtg | tatttctaca | tgttttgga | 720 |
| gatactcttg | gcagcattgg | tgtgatcgta | tccacagttc | ttatagagca | gtttggatgg | 780 |
| ttcatcgctg | accactctg | ttctcttttt | attgctatat | taataattct | cagtgttggt | 840 |
| ccactgatta | aagatgcctg | ccaggttcta | ctcctgagat | tgccaccaga | atatgaaaa | 900 |
| gaactacata | ttgctttaga | aaagatacag | aaaattgaag | gattaatatc | ataccgagac | 960 |
| cctcattttt | ggcgtcattc | tgctagtatt | gtggcaggaa | caattcatat | acaggtgaca | 1020 |
| tctgatgtgc | tagaacaag | aatagtacag | caggttacag | gaatacttaa | agatgctgga | 1080 |
| gtaacaatt | taacaattca | agtggaaaag | gaggcatact | ttcaacatat | gtctggccta | 1140 |
| agtactggat | ttcatgatgt | tctggctatg | acaaaacaaa | tggaatccat | gaaatactgc | 1200 |
| aaagatggta | cttacatcat | gtgagataac | tcaagaatta | cccctggaga | ataaacaatg | 1260 |
| aagattaat | gactcagtat | ttgtaatat | gccagaagga | taaaaattac | acattaactg | 1320 |
| tacagaaaca | gagttcccta | ctactggatc | aaggaatctt | tcttgaagga | aatttaaata | 1380 |
| cagaatgaaa | cattaatgg | aaaagtggag | taattattta | aattatgtgt | ataaaaggaa | 1440 |
| tcaatttttg | agtaaacatg | atgtattaca | tcatcttcga | aaatagatat | gatggattct | 1500 |
| agtgaagacc | aaaattactt | ctgtttactt | tctatcagga | agcatctcca | ttgtaaatat | 1560 |
| gtattttacat | gtttattaca | aagacccaaa | tgaaaaat | ttagtccatt | ttttgcatag | 1620 |
| cctaaagata | aataggaat | aaaaagttct | atattttatg | atcttctgta | tataaaactg | 1680 |
| gtttctaatt | ataacttaag | tccattaagt | aaaatctgta | ttgccccttt | aatgtaaac | 1740 |

| | | | | | | |
|----------|---------|---------|---------|----------|---------|------|
| taaattat | gggagaa | tcaaccc | atatgag | agcaatg | atagggg | 1800 |
| gtataac | ccagttt | atgtatt | aaaatca | cctctata | atgaatt | 1860 |
| tttacatt | ggtaaaa | | | | | 1878 |

<210> 7780

<211> 2819

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (126)...(716)

<223> similar to gi5730476 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7780

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|------|
| tccctcagcg | tccggccgag | gcgcggtgta | tgctgagccg | ctgccgcagc | cggctgctcc | 60 |
| acgtcctggg | ccttagcttc | ctgctgcaga | cccgcgggcc | gattctcctc | tgctctccac | 120 |
| gtctcatgaa | gccgctggtc | gtgttcgtcc | tcggcgggcc | cggcgccggc | aaggggaccc | 180 |
| agtgcgccc | catcgctcag | aaatatggct | acacacacct | ttctgcagga | gagctgcttc | 240 |
| gtgatgaaag | gaagaacca | gattcacagt | atggtgaact | tattgaaaag | tacattaaag | 300 |
| aaggaaagat | tgtaccagtt | gagataacca | tcagtttatt | aaagagggaa | atggatcaga | 360 |
| caatggctgc | caatgctcag | agaataaat | tcttgattga | tgggtttcca | agaaatcaag | 420 |
| acaaccttca | aggatggaac | aagaccatgg | atgggaaggc | agatgtatct | ttcgttctct | 480 |
| tttttgactg | taataatgag | atttgattg | aacgatgtct | tgagagggga | aagagtagtg | 540 |
| gtaggagtga | tgacaacaga | gagagcttgg | aaaagagaat | tcagacctac | cttcagtcaa | 600 |
| caaagccaat | tattgactta | tatgaagaaa | tggggaaagt | caagaaaata | gatgcttcta | 660 |
| aatctgttga | tgaagttttt | gatgaagttg | tgcagatttt | tgacaaggaa | ggctaattct | 720 |
| aaacctgaaa | gcatccttga | aatcatgctt | gaatattgct | ttgatagctg | ctatcatgac | 780 |
| ccctttttta | ggcaattcta | atctttcata | actacatctc | aattagtggc | tggaaagtac | 840 |
| atggtaaaac | aaagtaaatt | tttttatggt | cttttttttg | gtcacaggag | tagacagtga | 900 |
| attcagggtt | aacttcacct | tagttatggt | gtcaccaaaa | cgaagggtat | cagctatttt | 960 |
| tttttaaatt | caaaaagaat | atccctttta | tagtttgtgc | cttctgtgag | caaaactttt | 1020 |
| tagtacgcgt | atatatccct | ctagtaatca | caacatttta | ggatttaggg | ataccgcgtt | 1080 |
| cctctttttc | ttgcaagttt | taaatttcca | accttaagtg | aatttgtgga | ccaaatttca | 1140 |
| aaggaacttt | ttgtgtagtc | agttcttgca | caatgtgttt | ggtaaacaaa | ctcaaatggg | 1200 |
| attcttagga | gcatttttagt | gtttattaaa | taactgacca | tttgctgtag | aaagatgaga | 1260 |
| aaacttaagc | tttgttttac | tacaacttgt | acaaagtgtg | atgacagggc | atattctttg | 1320 |
| cttccaagat | ttgggttggg | ggcactaggg | gttcagagcc | tggcagaatt | gtcagcttta | 1380 |
| gtctgacata | atctaagggt | atggggcaag | gatcacatct | aatgcttgtg | ttccttatac | 1440 |
| tctattatat | agtgttattc | atgattcagc | tgatcttaac | aaaattcgta | gcagtggaac | 1500 |
| cttgaaatgc | atgtggctag | atttatgcta | aaatgattct | cagttagcat | tttagtaaca | 1560 |
| cttcaaagg | ttttttttgt | ttgttttcta | gacttaataa | aagcttagga | ttaattagaa | 1620 |
| gaagcaatct | agttaaattt | cccatttgta | ttttattttc | ttgaatactt | ttttcatagt | 1680 |
| tatttgttta | aaaagattta | aaaatcattg | cactttggtc | agaaaaataa | taaatatatc | 1740 |
| ttataaatgt | ttgattccct | tccttgctat | ttttattcag | tagatttttg | tttggcatca | 1800 |
| tgttgaagca | ccgaaagata | aatgattttt | aaaaggctat | agagtccaaa | ggaatattct | 1860 |
| tttacaccaa | ttcttccttt | aaaaatctct | gaggaatttg | ttttcgctt | actttttttt | 1920 |
| cttctgtcac | aatgctaagt | ggtatccgag | gttcttaata | tgagatttaa | aatcttaaaa | 1980 |
| tgtttcttat | tttcagcact | tacatcattt | ggtacacagg | gtcaaataag | gcaaataatt | 2040 |

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|------|
| ttgtctttgt | ataatagatt | tgatatttaa | agtcactgga | aataggacaa | gttaatggat | 2100 |
| gtttttatat | tttaatatga | tcattttatt | ctatgtgtta | tgaaattcac | ttaatgataa | 2160 |
| atttttcaac | atacttgcca | ttagaaaaca | aagtattgct | aagtactata | acatattggc | 2220 |
| cactaaaatt | catattgaga | ttatcttggt | ttcttggaag | agataggaat | gagttcttat | 2280 |
| ctagtgttgc | aggccagcaa | atacagaggt | ggtttaatac | aacagctcta | gtatgaagca | 2340 |
| agagtaaaga | ctaaggtttc | gagagcattc | ctactcacat | aagtgaagaa | atctgtcaga | 2400 |
| taggaatcta | aatattttata | gtgagattgt | gaaagcaacc | ttaaagtttt | gaagaagact | 2460 |
| gatgagacta | ggtgctttgc | ttcctttcat | caggatatct | tctgtggcat | ttgagaacag | 2520 |
| aaaccaagaa | acatggtaat | tactaaatta | tgaggctttg | ctttttgttt | gcttttaagt | 2580 |
| agaaaaacat | gttggcaaca | ttgagttttg | gagttgattg | agataatatg | acttaactag | 2640 |
| ttttgtcatt | ccatttggtt | aagatacagt | caccaagaat | gttttgagtt | ttttgaaaga | 2700 |
| ccccaattta | agccttgctt | atttttaaat | tatttccatt | cagtgatgtt | ggatgtatat | 2760 |
| caattattta | gtaaataatc | tcaataaatt | ttgtgctgtg | gcctttgcta | aaaaaaaa | 2819 |

<210> 7781

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (344)...(122)

<223> similar to gil825645 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7781

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|-----|
| tttttttttt | ttcaacatct | aagtctttat | taagggtgagt | ttttacaaac | aagcatctat | 60 |
| cccagtgtgg | gggatgagga | tgggagagga | aagcggggca | ggaagatgag | gattctcatc | 120 |
| tattgataat | aaagctccag | gttcattccc | tctgtgattt | catagtcccc | cagagacacg | 180 |
| tggctcttaa | aaatcgtgta | ccacttcttc | aggacaatct | tgttccaacg | ggtaccagtt | 240 |
| tgggctgcaa | tcagcttctt | aaggctcccc | atggtatcat | ccgtgttgca | tttaacgcgg | 300 |
| accttcttcc | ccagacggtc | gttgcaaaca | acctcgatca | tcctagctgg | agctcgaatc | 360 |
| gcctcgaacc | tgccgacgcc | accagctcct | cacccgagcg | ctgaaccccc | gtcgcagtta | 420 |
| acgctagga | ccctcgtgcc | gaattcttgg | cctcgaggg | | | 459 |

<210> 7782

<211> 1479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (503)...(1307)

<223> similar to gil495421 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7782
ggcacgaggg ctgaactgct gagtctgaca cttaacagga cttcggcatt cccctgaata    60
cagactagat cagagatttt atttttttaa ttgaaaagta acttgggttc tctttagaaa    120
cccttatttg gtgtgcgcat ctggctatct cacagagatt tcagttttgc aaagaagtcg    180
gagttgattt cttccctcag acaagctatt ggttggttggg gggcaacaga agttgctcag    240
catagacagg ggaaaaaacg gttacggatg agactgaaag aaaacctcaa aggagaactc    300
tgagaattca tctcaggatg aagctgcaag ggcaaaggag aagtacttgt gacacaagca    360
aatgggtcca ttgatcaaca gatgcaagaa gattcttctc ccaactactg tacctcctgc    420
aacgatgaga atctggctcc ttggaggcct gctgccattc ctgctgctcc tctctggcct    480
gcagagaccc acagaggggt ctgaggttgc aattaaatc gacttcgact tcgcaccagg    540
ttcttttgat gatcagtacc aaggctgtag caaacagggt atggagaaac taactcaagg    600
ggattatttc acaaaagaca tagaagccca gaagaattat tttaggatgt ggcaaaaagc    660
ccacttagcc tggcttaacc aaggaaaagt tctacccagc aacatgacta ccacacacgc    720
tgtggctatt ttgttttata cattgaacag caatgttcat tctgacttta ctagagccat    780
ggcctctgtt gccaggactc cacagcagta tgaacgttca ttccacttca aatattttaca    840
ctactacctc acctcagcaa tccagctgct gaggaagac agcatcatgg agaatggcac    900
tctgtgctat gaggtgcatt ataggacgaa ggatgtccac tttaatgcct acacaggggc    960
caccattcga tttggccaat tcctttccac atccctcctg aaagaagagg cacaggagtt   1020
tgggaaccag acactattta ccatattcac ctgcctgggt gcacctgtac agtacttctc   1080
cctcaagaag gaagtcttga tccctcccta tgagctgttt aaagttataa atatgagcta   1140
ccaccaaga ggagactggg tgcagttgag gtcaactggg aacctgagca catataactg   1200
tcagctgcta aaagcttcca gcaagaaatg catccctgat cctatagcta ttgcatctct   1260
ctcctttttg accagtgtca tcatcttttc caaaagcaga gtataaagaa atcttgtggc   1320
tccttttatt taaaaaaat atttaaataa aatctttttt attggccttt tggctagaaa   1380
tggacattta ttttccagga aggatgatcc catcatactt ctgctgaaac cagcgcagtg   1440
ccccctcttt gctaattatc ttatgccttt ccttggacg                               1479

```

```

<210> 7783
<211> 1294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (258)...(1156)
<223> similar to gi205595 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7783
aattcgcccc cgctgcagga attctgcacg agcggagtct tattgtgtcg ttatttggac    60
aagaggcaca ttgacccaat ttggagacgt attttggaaag gaggtgtgaa aaagacagca   120
tgaactttac cccaacacac acccctgtct gcagaaagcg aacagttgtc tccaaacgtg   180
gtgttgccgt cagtgggtccc accaagagga ggggaatggc agattcactg gagtcaaccc   240
ccttgccctc ccccgaaagat cgtctggcca aactccatcc ttctaaggag ctcttggaat   300
attatcaaaa gaagatggct gagtgtgagg cagaaaatga ggacttgctg aagaaactgg   360
aactctacaa agaagcttgt gaaggacagc ataaacttga atgtgatttg cagcagaggg   420
aggaagagat tgctgaattg cagaaagctc taagtgatat gcaggtctgc ctcttccagg   480

```

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|------|
| aacgggaaca | tgttttacgc | ctctactcag | aaaatgaccg | actgagaatc | agggagctag | 540 |
| aagacaagaa | aaagattcag | aatctcttgg | ctcttggtgg | aacagatgct | ggagaagtga | 600 |
| cctatttttg | taaggagcct | cctcacaaag | tcaccattct | ccaaaagact | atccaggctg | 660 |
| taggtgaatg | tgagcagagt | gaatcttcag | ctttcaaagc | agatcctaaa | ataagcaaaa | 720 |
| gaagaccatc | gagagagaga | aaagaaagtt | ctgagcatta | ccaaagagac | atacagacac | 780 |
| tcctcctaca | ggtggaagca | ctgcaggctc | agctgggaga | gcagaccaa | ctttctcgag | 840 |
| aacaaattga | agggctcatc | gaggacagac | ggattcacct | tgaggaaata | caagttcagc | 900 |
| accagagaaa | tcagaacaaa | atcaaagagc | taaccaaaaa | tcttcaccac | acccaagaac | 960 |
| tgctctatga | gagcaccaaa | gattttctgc | aactcagatc | tgaaaaccaa | aataaagaga | 1020 |
| agtcatggat | gcttgaaaaa | gataatttga | tgtcaaagat | taagcaatat | aggggtgcagt | 1080 |
| gtaagaagaa | agaagataaa | attggaaaag | tgttgcccg | tatgcatgag | agtcaccatg | 1140 |
| ctcaaagtga | atatattaag | gtaatgtcct | tatgtcgtaa | cgaagttggt | tatttttctg | 1200 |
| ggagagttga | aggaattcca | aagaacctac | aatttgtaat | gtaagatcca | ttcagtcacg | 1260 |
| gaagctctgg | tagcagctgc | ctcaagaact | aggt | | | 1294 |

<210> 7784

<211> 1150

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1151)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (148)...(569)

<223> similar to gi4929751 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7784

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|------|
| tttgaacggg | tgtatgactt | ctgcacgagg | tttccggaag | acgtggcggc | tctcgccctg | 60 |
| gctgtttccc | ggcttcattt | ctcccgaact | agcttcccac | cctgggcttt | ccgaggtgct | 120 |
| ttcgccgctg | ccccaccac | tgagccatg | atctccttaa | cggacacgca | gaaaattgga | 180 |
| atgggattaa | caggatttgg | agtgttttcc | ctgttctttg | gaatgattct | cttttttgac | 240 |
| aaagcactac | tggctattgg | aaatgtttta | ttttagaccg | gcttggcttt | tgtaattggt | 300 |
| ttagaaagaa | cattcagatt | cttcttccaa | aaacataaaa | tgaaagctac | aggttttttt | 360 |
| ctgggtgggt | tatttgtagt | ccttattggt | tggcctttga | taggcatgat | cttcgaaatt | 420 |
| tatggatttt | ttctctgtt | caggggcttc | tttctgtctg | ttgttgggcn | tttattagga | 480 |
| aggagtggcc | agtccttggg | atccctccta | aattttacct | gaattagatc | attttagatg | 540 |
| aaagttggag | aaagcaacaa | tatggtataa | caacaagtga | aatttgggaag | actcatttaa | 600 |
| aattatttgt | tattttataa | gtcatttgaa | gaatattcag | cacaaaatta | aattacatga | 660 |
| aattagcctt | gtaatgttct | ttacaggagt | ttaaaacgta | tagcctacaa | agtaccagca | 720 |
| gcaaattagc | aaagaagcag | tgaaaacagg | cttctactca | agtgaactaa | gaagaagtca | 780 |
| gcaagcaaac | tgagagaggt | gaaatccatg | ttaatgatgc | ttaagaaact | cttgaaggct | 840 |
| atttgtgttg | tttttccaca | atgtgcgaaa | ctcagccatc | cttagagaa | tgtgggtgct | 900 |
| gtttcttttc | tttttatttt | gaaggctcag | gagcatccat | aggcatttgc | tttttagaag | 960 |
| tgtccactgc | aatggcaaaa | atatttccag | ttgactgtga | tctctggaag | tgatgcatga | 1020 |
| attcgattgg | attgtgtcat | tttaaagtat | taaaaccaag | gaaccccaa | ttttgatgta | 1080 |


```
tggattactt ttttttgtaa acatgggttaa aataaaaactt ttgtgggttct tttgaatttt 1140
aaaaaaaaaa 1150
```

```
<210> 7785
<211> 1497
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1347)...(882)
<223> similar to gi5825596 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 7785
tttttttttt ttcaaaatgt ggatattgtt tacttgaagc aacagtccag gattgtgaag 60
tacaacacat tttaaggatg agactttcct ttcattggtca agcaccagca tcatgcacac 120
agcatcagggt tattttaaaac aacacgcctg tgggacccccg ttcttgaggg aagacccgct 180
tcagtgtgat tgccctccctt gcttcactgc ttttagttcc aggcagtttc attgtacatc 240
caagccttcc tctgcgtgag agcaaaggct ttgctcatca gccagccagt cttgttacta 300
tctggctact ttttaagggt aaaaaataaa aggcagtttc tttgctttgc aggcggcaag 360
gcaggaggcg caggcctcct cattgttcac atgtcacagg agggaggctct gagcaaaggc 420
cactggcaag ttagggcaac accaagaagg ctctgcggag agactccctg tgggttgggg 480
cctggcagga acggtgcctg tggactgttt atgggtctgtc cagttgaggc ttggtaaacc 540
caagtaaagt gttaaaaacc tcagtacaaa agatcctcct aacacatctg ggaaccaaatt 600
tattttcttct taaaaacaca gtactaagtg ttcacaaagc ttttccctcc cattctacta 660
cttggaatac acttcatgcc catggggccc acagacccca agagttcaag ggtcagagag 720
aaacctgttc ttcaaaagaa aaaaaaaaaa gacagcaagt acataaagtg cttcttttta 780
atgaaacaaa tccaagagat gtacagtcag gctcaagttg tgcagttcac aagcatggag 840
gaaacagaca gaacgacagc gttcaggaca gtcagagcta acccaagacg aggcgtggact 900
tgccgccagg gggatttctt ctggatggca ctggggccgg gccaccggg ctgggcacag 960
gcgcagcagg cacgggcttc tcttactctt gccccaggct gcctggcaag tctgtgtcca 1020
cattttcatg aatatcacct tctcccttca gatctaagaa gtctccggag cttgcttcag 1080
aggagtctct tctctgcagt ccagatgact ccaagtcttc cctgccacca ctagacttgg 1140
cacctgctga cttggcccaa gaagcttgat tttcttcagg tgtcccaaag atattagagg 1200
ccattttgtt ctctctcaca ggttggtctg ttggttcac aaacctaatt gaaaaattgg 1260
atccaccacc tggaggccgc aaaactcggg agctattcct gctgttgggg tcgactccct 1320
tgaagggtgt ggttgtggtc atggcgccga ggagcgaggt aggcgtggcg cggagcagaa 1380
cgctcaaagg gtcggacccg aggggcgctg ggaaactcca cacccaacag ccgaccaccg 1440
ctgctcgtgc cgaattcctg caggcgggtc tatcgaggcg ctcattgggg cccact 1497
```

```
<210> 7786
<211> 1744
<212> DNA
<213> Homo sapiens
```

```

<220>
<221> misc_feature
<222> (1)...(1745)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1258)...(123)
<223> similar to gil89613 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7786
aggtggggtc ttttaaaagg gcccccccttt tttttttttt tgtataaagg cactttatatt 60
taaaatcaac acatcctgct tttataaate agttactctt catttccaac ttccatcacc 120
tgagtgttag agcagagtgc gtggtatatt tctgggctta aggtataaac tgacatggca 180
ttcaagaaca tgtccagcgg gcagagccca tcagggcaac ctctcggcac ctgctccttc 240
ccgtggtaat agagctgcac aaaccactcc ttagattcca ggtgctggta aagttccatg 300
gtcaggtcaa cagcaaacgg tggccatttg tggcaaaaa tccccagggt cattaagagc 360
ggtatgaagg tcacatcatg agccgcatag agatacagct ttctgatctt gtcgggggca 420
gtggcagagt ccatggcttt cagcaggttg ctctctagga tgtggaggaa tgggcctact 480
gccatctgaa gactttccct gtcttccttg ggcagtatgt acaaggatgt gtccacagct 540
ctctgttcga tcatccgtgc aaatctcttc agcatggggc agcttgggag gttgtgtgcc 600
tgctcggcag ccacgttgtc caggaggatg aagaagtcca ctttatcact actgtcaatg 660
cccacctgt ccttcacctt tttcaaatcc tctgagattc ctggctgtaa agaggcagtc 720
tgctcgggc ctctggttct ctgcctcagg ctccagcagc tttggtagtt gggatacaag 780
acttctgaat ctgcttcac cagtgtggat atgatgggtc cttctttctg aactggaaa 840
agcccagcca gcaaacaacg ggtggactcc agattccgaa aaatgttagt ggaacgaata 900
aagacctcct gtgggttgaa ggttggtgaa agaaagggaa tgtcttcac atagttcttc 960
ctcagtctct ctccaaggc aaacatttgc tgcagccca ccttggtcag ctgccagca 1020
aacatgcccc ccttcagggt ggtctcatgg tattgagagt cgtaaggaga atatggtttc 1080
ggaccaccag ctagattggg gactgtgtaa tcaaactgag tttggggtgg gacctctaat 1140
agctgggggt tccactctac ctgctcctcc agcgggagcg gcttgagagg actccgagcc 1200
ccgtgtcgaa acacgacctg caccattttc aacttcagca ggctgcggtc gaccggacac 1260
tggccatcgg cctcctgcag ctcggccagg gccaccgcc gctggtgcag gcagtacgcc 1320
agcgaggtca ggacgccac tggggtccac aagcgcagtc tgaacacacc agtgatcatg 1380
gtggtagccc ctgctgccc tccgggttga ggctgcagga ggcaaacaca agtcttctgc 1440
gggcgcgggg gctcagcggg cgcctccaag tccgcgggaa cctgcggatg cgtacatcca 1500
gcccttcagc aagcagggac cgtgtgcct cccggccctg agggagaccc cgagtgggaa 1560
cgggggagag aacaagaggt ggcagcagcg aagatccct gggagtttta acccggtcgc 1620
gggttggtcg ctctgctgc acaccgggc gggggagatc ggatccttat cttttgccg 1680
acgaggaaca ttcatnggna cccaagttg gcgnattccn ccgcnetggn gtagtgtact 1740
cgaa
1744

```

```

<210> 7787
<211> 2743
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (2419)...(1158)

<223> similar to gi49680 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```
<400> 7787
tttttttttt aagtggaatc agctatatatt tctacatttc cttttttattc atcctttttca    60
tataattgat gttcttatag aaaactctgt aacagtcatt tcatttaaatt attatccgac    120
ctgaaagaaa ccatgaatca gggatcagac aaaaatacat gatcaacttt tacacatttc    180
agtaggtgaa ggaccagaaa gaatcttaga aatcactgag cttcatacct ggctgtacag    240
acaaggaagc tgggaccag agaggggtgca gagttccagg gtaagaggcc cggctctctaa    300
ccttcagct cactgctctt ttctgtctata ccagggcacc gctgtgcagt catccaggct    360
gccggggact agcttccccg acatggcaac aaaaactaca gaactcgctc acatcttaaa    420
catggccaac cttgactctg ccaagatata aggttttagaa tgagttgcta acattcaatt    480
tacagaattg gatttgaact ggaagacaga ctttccttag cactggtatt tgggtggaagt    540
ttataaaactg gtatttggtg gaagttttaa cactggctct tataagagct aaaccccggtg    600
tgaggaaaagt tgctgtaaca acatcatagc acctttgctt caacttcaaa agaaaaaaag    660
gctatggtaa aaagcttttaa taacagacaa tgtgatttca taggcaacca attagcagat    720
taatggatca tttaactttc ttactttaa accaatactc cactcaagaa agatgaaccc    780
aaaatgcac ctctaactc gaccaacata actaagtaca aatgaagtca atggtgtacc    840
ccattagcat gctgcgttgt atgtcaataa aacaagccct cccccaccc gagccctggc    900
ccctggcaaa acatagataa atgattgtgc actgcgtgat gataccatta ggtgagaact    960
ttggttcatg cagtcggctg ccgagagggt ctcaggtgtg cagccgtgct ccttcacaa caccagggtga 1080
aagtccagtc gcggtggtg cgcagagggt cagccgtgct ccttcacaa caccagggtga 1080
atactgtggt caggcgaagt ggtggcaagt accaagcccg tgtcattgtg cccatccagt 1140
ccattcagcc aggatgcttc gcctgccagg aagcttgagc ctctctttga tttcctgtac 1200
tctggcagag gccagcgact aatcaggctc tctgtccgca agtccatgat gtacaggtag 1260
cggttgtcaa acagcagggc aaagatatct ccaaagccaa gcaaggccaa gtttgcatac 1320
tcaggagtct tgatgacct gagaatatca taactggcaa agtcccactg gtagagacca 1380
agtgtgaac tacagacaat gtatttgcca tcaaaatgaa gtcttggtg caggcagata 1440
cttctatcct cagagacaga caatgtcttt aagcacttac agttgatttc tctcccaatt 1500
ggccaaatct taatctcata tttgtctgca cttaagagga tgtagtctcc aggactgtgc 1560
aagagagact tgactttgca cttctgcaaa actaccttgg tgaccattc cgtgtgcccg 1620
gtgagtggtg tcaggcatgt cccagcagat aaagcccata ctttcacagt gaagtctgca 1680
gagccgctca ccaagatatc cagttcatca ttgtagtcca cgctaaatac cgcccccggtg 1740
tgcccccgaa agtgctgggt cctggctccg gaactccatt cccagcaagc cacagtgttg 1800
tcaaaggagc ctgtcacaag cttctgttca tcaaacttca ccgctgcaca agtgtgggtc 1860
tggtgccat aaacgcactg ccctgtgtc acatcccaca gctttgcaga caagtcatct 1920
gaccctgtac agagaagtcc atctttgtag taaagtgcac acactctggc actgtgtcca 1980
attaatgacg aggtttcaaa ggcttcattg tctccagtt gcttcattct caaaatagcc 2040
ttcaaataaa ccttcttcca gtgcaaagcg tctgaacag aatcatctat ctgccagccc 2100
aaatttttac atgcagtctg ccacacctct gtacaggcac ttatcacctt attccactgt 2160
ttagagacga ggcagcatgt gagtaaagtc tgaggatcga gccattttaa caaataaaaa 2220
ctgagctcca ggggaaggag tttgaggaag tcccgttga ggagagtctc taggttattg 2280
gagagatgcc tgagctggac tgccccactc agactaatca ggtgatccag agtttcattt 2340
ttctgcaagt ccgtcagaga aagaaatgta acagaaatgt tatccagcca tgtctcaaag 2400
tcctttctct ccataaggtt atggaaaaat ttacctgttt tcatggcata cccacaatta 2460
tggcgcagta tagcgctttg tacttcataa accacctcat cacacttcat cgtctttcaa 2520
acgtttggtg gccctgggac atcactgtta actcatttcg cagctaagga aatggaggca 2580
gtaggaggca gtaactccaa aaccctgttt tcccgtctct aaaatccaga tcccatcaac 2640
ccattcggtg ctcccaggct ccttgctctc ggaatcgtgt tccgcgcggc actgacctga 2700
gcgagcgcgc ggggcccggg acctcgcgcc gggttcacag cta 2743
```

<210> 7788
 <211> 1557
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (193)...(1558)
 <223> similar to gi4590042 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7788

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|------|
| ctgaaaagac | actaagaaaa | atttttacgaa | tgggatgaac | atgctccagt | taattgacta | 60 |
| cctactgcaa | tttgaatggt | aacattaccc | catctggtac | agttacctag | tgatgtacct | 120 |
| attttcacaa | taccctgttt | cagtgtgctt | gtcttgatta | aagaattcaa | agtggagtac | 180 |
| cgcaaacttg | atatggaaaa | taaaaagaaa | gacaaggaca | aatcagatga | tagaatggca | 240 |
| cgacctagt | gtcgatcggg | acacaacact | cgaggaactg | ggctctatct | gtctggagtt | 300 |
| ttaatggttg | gacctaaact | tagagttgga | aaaaaaattg | gatgtggcaa | ttttggagaa | 360 |
| ttacgattag | ggaaaaattt | atacacaat | gaatatgtgg | caattaagtt | ggagcccatg | 420 |
| aaatcaagag | caccacagct | acatttggaa | tacagattct | ataagcagtt | aggatctgga | 480 |
| gatggtat | ctcaagttta | ctatttcggc | ccttggtgta | aatacaatgc | tatggtgctg | 540 |
| gaactgctgg | gacctagttt | ggaagacttg | tttgacttgt | gtgacagaac | atttctctt | 600 |
| aaaacagttc | tcatgatagc | tatacaactg | atttctcgca | tggaatatgt | ccattcaaag | 660 |
| aacttgatat | acagagatgt | aaaacctgag | aacttcttaa | taggacgacc | aagaaacaaa | 720 |
| acccagcaag | ttattcacat | tatagatttt | ggtttgcaa | aggaatatat | tgatccggag | 780 |
| acaaagaaac | acataccata | cagagaacac | aagagcctta | caggaacagc | tagatatatg | 840 |
| agcataaaca | cacatttagg | aaaagaacaa | agtagaagag | acgatttaga | agcttttaggt | 900 |
| catatgttca | tgtattttct | gagaggcagt | cttccttggc | aaggcttaaa | ggctgacaca | 960 |
| ttaaaggaga | ggtatcagaa | aattggagat | acaaaacggg | ctacaccaat | agaagtgtta | 1020 |
| tgtgaaaatt | ttccagaaat | ggcaacatat | cttcgttatg | taagaaggct | agattttttt | 1080 |
| gaaaaaccag | actatgacta | cttaagaaag | ctttttactg | acttgtttga | tcgaaaagga | 1140 |
| tatatgtttg | attatgaata | tgactggatt | ggtaaacagt | tgctactcc | agtgggtgca | 1200 |
| gttcagcaag | atcctgctct | gtcatcaaac | agagaagcac | atcaacacag | agataagatg | 1260 |
| caacaatcca | aaaaccagtc | ggcagaccac | agggcagctt | gggactccca | gcaggcaaatt | 1320 |
| ccccaccatt | tgagagctca | ccttgacgca | gacagacatg | gtggctcggt | acaggttgta | 1380 |
| agttctacaa | atggagagtt | aaacacagat | gacccaccg | caggacgttc | aatgcaccc | 1440 |
| atcacagccc | ctactgaagt | agaagtgatg | gatgaaacca | actgccagaa | agtgttgaa | 1500 |
| atgtggtgct | gctgcttttt | caaacgaagg | aaaaggaaaa | ccatacagcg | ccacaaa | 1557 |

<210> 7789
 <211> 1421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (828)...(517)
 <223> similar to gi2072790 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7789
cctttttttt tttttctctg aagtgggtgaa ttttaattatt gtataaaaaa tccaacttgt      60
tccacaagta catatgtcct atgattttat gcatacatcc atatacatat atcaaggtaa     120
agtccaatac aaaaaaacag catttcctat ggccagtgtt ctacagaagt aagactgtgc     180
aaactttatc gtatagtcaa atgagattgc aactaaggc aggatgaggc agaagcaagt     240
tgtgtccaca gtatattaca aaataccttg catagcttat tcattctcac ctggtaaatt     300
catcttagaa ttctgaagga tttttttcct agataaattt atacaagtta gtgtataact     360
cttgtctttg ttctgtggca aaccagggtt ctcagtactg attgttttac ttcacaacat     420
tattgattta acaatagcct gagctttggg gctctgcact gcgttcattg taatccgtga     480
tacaatgact acaaagtgtg cgcgatttct aatcttcac tgtatctcag gcgattttcc     540
agggttcca ttctctgtgt catttcttct aagcgtgtg ttaattttct tacttcttcg     600
tttgcaagggt tctggaacat tataagggtt tcacatttgc attgatcgtg tttttcttcc     660
aaagggcttc ctgaagggtt tgttgaatgg gaaagctttt gtgtagaccg taaaagattg     720
tcttcttcaa acagatatct gtgttgact gttggctgtt ggaccgtttt tggcagttcc     780
cctgctggag agtcctgtct tccatcggag tcttctagag ctgagcagaa aaagatgacc     840
aaaagaagtg atggttgtcc acaggcatgt gtgtgttctt caggaagctg gtcccagacc     900
acctccttac ctacctgcca taacctagg ttttttagtt ttgtttggtt acaccaaaga     960
ttcaaaaaag cagttggtta ccatgatact tatgaccact ctagggaat tctctctcgt    1020
aagagaagct tggacccctt aagtacatct taagaatgct ccaaaaaatg tcatgtctag    1080
aaagtagggc agaaaaaaa ggtgaagttg ttgagggatt ttagttgcag tggcagcagc    1140
tccacttgag gcattttaac ttgcatgaaa caatcaagag gcaaaacatt ctctactcag    1200
aaatctgaaa ggccttcctt ccctgttacc cctcatctca agagttcttt ccctagaggg    1260
gtaagacaca gcacttagac tgggatctaa ctggtgagcc ggggacatga gtacaaggaa    1320
aaataggcag aactgctatc tgtaagcata tctggcgag ttagtaaact ggagaaaagc    1380
atgcataaca aaatctgaag tctaaagggc agtctgatat t                                1421

```

<210> 7790

<211> 1066

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (915)...(209)

<223> similar to gi3135314 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7790
tttttttttt ttatcatttt aaaaatgtat tttattcaac ttggaaaatg agtacaaatc      60
cctgggtgtt ttttgtcagg gaggagtggg gagtaggcag gaaagagaag agggtaggag     120
gcaaggtaag gtatgagcat cacagtggct gcctcaagac cctgccaggg gaggggtggg     180
tgggctgggg gttgagcacg gagctcaggt ccggaggaac accatggtga ggaggcccaa     240
gacgtaggcg gccaccaact tttgtccag ggagacgtgc aggacttgag gcagctggct     300
gccgagttcg tccgggagtg ggagcagcag gaaggccaca gacacaatcc ccgtcagcaa     360
gaagaggagg aaggagctgg tggccagttg ctggcggggg tgctcctgga agtgtctggc     420

```

| | | | | | | |
|------------|-------------|-------------|------------|------------|-------------|------|
| cgtgggtggt | ggtgtcccag | caggaggccc | tgggcgaggc | gctggatctg | gctgtccctg | 480 |
| aagctcaagg | gggtacgctg | gggtctctcag | aatggaggta | atgtccttgc | gtcccaccac | 540 |
| tcggccctca | gtccttccct | cagacagctc | aatgcggaag | cggtcctgga | catcatagt | 600 |
| gctgggaatg | ggtgccacat | ggcgaatcac | aatgtcaatg | caagactggg | gcttcacata | 660 |
| tccctctgcg | tcaaacaccg | tgtatttggc | aggtgctgtg | cacaggactc | ggaagcgaag | 720 |
| cgcagttcct | gtgggggttat | agaggggtcag | cagctgtcgg | ggtccgctcc | gctgggtccgc | 780 |
| cctgaatact | agatccgggg | gaaagaccag | gaccgggaca | acgggtccca | agggaggagg | 840 |
| ggcgccccgg | gacccccgcc | cagggggccc | cggacccacc | agctcctggt | cctggggcgc | 900 |
| cccacggcgc | atgcaggctc | tgggcggtcg | gacatccgag | ggcagagctc | aggggacagg | 960 |
| gcctggagtc | agagcttgtg | gttaaagcac | ctgccagtca | gcttgtggtc | agattaatgt | 1020 |
| tgccatgttc | cagagagtcc | ttttctatac | ttccgcgta | cggcct | | 1066 |

<210> 7791

<211> 3913

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (264)...(1984)

<223> similar to gi28969 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7791

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|------|
| gctgcgtcca | gtgaacactt | cagcacctgc | agcacagaag | ggccaaggag | ctgcagtcct | 60 |
| cgaccagcag | gaggtttgct | cctcagccca | ctcgctgcat | ccagatcagc | tcacccctct | 120 |
| cccttccctg | cccaccagga | ctctgatagc | ccctggcagc | cacagcccat | tttgccaaga | 180 |
| tgtctagagt | agccaaatat | cgccggcagg | tgagtgaaga | ccccgacatc | gacagcctgc | 240 |
| tggagaccct | gtctcccag | gagatggagg | agctggagaa | ggagctggac | gtgggtggacc | 300 |
| cagacgggag | tgttcccgtg | gggctgcggc | agagaaacca | gacggagaaa | cagtccacgg | 360 |
| gtgtgtacaa | ccgggaggcc | atgctcaact | tctgtgaaaa | ggagaccaag | aaacttatgc | 420 |
| agaggagat | gtccatggat | gaaagcaagc | aagtggagac | caagacagat | gccaagaatg | 480 |
| gagaggaaa | gggcagagat | gccagcaaaa | aagccctggg | ccccagacgg | gactcagatc | 540 |
| tggggaagga | gccaaagagg | ggtggtttta | agaaaagctt | ctctagagac | agagatgaag | 600 |
| ctggtggcaa | gagtggcgag | aagcccaagg | aggagaagat | catccggggc | attgacaagg | 660 |
| gccgggtcag | ggctgcagt | gataagaagg | aggcagggaa | ggatgggaga | ggagaggaga | 720 |
| gggcagtggc | caccaagaag | gaagaggaga | agaaaggagg | tgacaggaa | acaggcttga | 780 |
| gcagggacaa | ggataaaaa | agagaggaga | tgaaggaggt | ggccaagaaa | gaggatgatg | 840 |
| agaaggtaaa | aggggagcgt | aggaacacag | acaccagaaa | agagggtgag | aagatgaaaa | 900 |
| gagcaggtgg | gaacacagac | atgaaaaagg | aggatgagaa | ggtaaaaa | ggaactggga | 960 |
| acacagacac | caaaaaggac | gatgaaaaag | tcaagaagaa | tgaaccctta | catgaaaagg | 1020 |
| aagccaagga | tgacagcaag | accaaacac | ccgagaaaca | gacgcccagt | ggccccacca | 1080 |
| agccctctga | aggaccggcc | aaggtggagg | aggaggcagc | tcccagcata | tttgatgagc | 1140 |
| ctctggagag | agtgaagaac | aatgaccccg | agatgactga | ggtgaacgtc | aacaactcag | 1200 |
| actgcatcac | aaatgagatc | ttgggtccgt | ttactgaggc | tctggagttc | aacactgtgg | 1260 |
| ttaagctgtt | cgccttggcc | aacacgcgag | ccgatgacca | cgtggccttt | gccattgcca | 1320 |
| tcatgctcaa | ggccaacaag | accatcacca | gcctcaacct | ggactccaac | cacatcacag | 1380 |
| gcaaaggcat | cctggccatc | ttccggggccc | tcctccagaa | caacacgctg | accgagctcc | 1440 |
| gcttccacaa | ccagcgacac | atctgtggag | gcaagacgga | gatggagatc | gccaagctgc | 1500 |
| tgaaggagaa | tactaccctg | ctcaagctgg | gctaccattt | tgagctggcc | gggccccgaa | 1560 |

| | | | | | | |
|-------------|-------------|------------|-------------|------------|-------------|------|
| tgactgtcac | caatctgctc | agccgcaaca | tggacaagca | gagacaaaag | cggctgcagg | 1620 |
| agcaaaggca | ggcacaggaa | gccaaaggag | agaagaagga | tctgctggag | gtacccaagg | 1680 |
| ccggggccgt | ggctaagggc | tccccaaaac | cttcacctca | accatctcca | aagccctctc | 1740 |
| caaagaactc | acccaaaaaa | gggggtgctc | cagctgcccc | accacccctt | ccccctccct | 1800 |
| tggctccacc | ccttatcatg | gagaacctga | agaattcact | ctcaccagct | accagagga | 1860 |
| agatgggaga | caaagtcctc | cctgcccagg | agaagaactc | ccgtgaccag | ctattggctg | 1920 |
| ccatccgctc | cagcaacctc | aagcagctca | agaagggtgga | agtgcccaaa | ctgcttcagt | 1980 |
| aggaccaggc | tgccaggcac | catctgccaa | tgccatgact | gctcaggcct | cacctcccag | 2040 |
| ggctacacag | accctgcccc | ccccatccct | ggctgacctg | ctgtggatgt | ccctattctg | 2100 |
| ccatgggaga | gtccaggcct | gggtcacgct | caaggaagga | tgcttatctt | cttctcactt | 2160 |
| tccttttctt | gtctctgagg | ctctccaaat | tttgcttttag | tacatggagc | tcaggtttct | 2220 |
| ggacaagaag | agtcctttta | gcacatcact | tgagaagatg | gcactgtcca | gggcccattgt | 2280 |
| agctggcaag | ctgcaaaagg | cctgtgatcc | aggaaagatg | tcccacaggg | accacatcca | 2340 |
| ccccagcccc | actgccctcc | agggccagga | ttcaggcctc | tgaggagccc | acggggcaaa | 2400 |
| gctgctgggc | cagtggcact | ctgtgtggga | aaatggcaga | aagatggaga | ggcatggggg | 2460 |
| cccaaagggg | agcgtgggga | ggggctgagg | ataccccaaa | gtccaggcta | attagaggat | 2520 |
| gtggcagggg | cagtggcctg | gatgcacagt | gcctgatggg | agtaggctcc | agacaggagg | 2580 |
| agtgggacag | acagcagctg | gacttgaagg | tttgatgcca | aagcagacat | tttccctaca | 2640 |
| cccacctgct | gctgtatgaa | tagctgtgta | tctgtttttc | cataagattt | tgataatata | 2700 |
| tacaaacctt | tagctgtgaa | tggtgtgtgc | ccacctgttg | tcctgaactg | tgagtctga | 2760 |
| tcctaacctt | gggtccctg | gaggactcta | gaagctcagg | ttccctgcca | cactatttga | 2820 |
| gttggccaag | aaataaattc | acatcctcag | aaagtgcagc | atggaggaaa | atctgaactc | 2880 |
| taagcagaag | actctccact | gacctgggtg | tccagggtcta | gaaggccagg | cctctactag | 2940 |
| gtctgtcctt | gaaccagtcc | tgctgcctgg | agtcagtagc | cagagtgtgt | ctcaggggtg | 3000 |
| ctggggcaga | gtggagccca | gggtgctggg | atggctatat | taggcatgtt | cagggatgct | 3060 |
| cattccatga | ctctgcctaa | ccatgggctc | agggccaggt | cctcacagca | gtcacaggcc | 3120 |
| caggaaggcg | gcaggcagag | aagtggagtg | actatttgga | gaatagcacc | catatctgtg | 3180 |
| tgccctaggg | ctcagcaggg | gcctcatctt | gcccagccct | caccaactgc | tcgccaattc | 3240 |
| cactttctggc | ccccaaactca | ggaaatgctg | acaatgctgc | catgcccaca | tcgggggtgta | 3300 |
| ggtgaaaggc | atctttctga | atttcattct | cttgaagggtg | ctgccacccc | ttggcactgt | 3360 |
| ggaactgccca | ccttgggtct | gtgtcacttg | taggtttctc | tgccctcagg | ttgcctcaac | 3420 |
| agcaggaggc | acagcagttt | caccatcttt | gaggtgaggg | tggggtgccc | cagctaggaa | 3480 |
| gcaagatcgc | tgtgctaggt | ctgacaaaaa | ccagagggca | gtctagtcc | gggggttaaag | 3540 |
| ccctcagatc | ccagggtaca | ctcttctcca | ttccctccac | ccacttgcc | gtcaccccag | 3600 |
| tcacctaagc | aatcactggg | cccagaggag | aggagacaga | cacacactgg | ctcctggacc | 3660 |
| taaagggtat | gagctggagc | taaggccagc | tagagcttcc | actgtcagcc | ctcactgtca | 3720 |
| gccccactgc | acccccctgt | gcctgctggg | cactgggcac | tagctagatg | ctttagggtg | 3780 |
| cttcagctga | tccttcaact | ctgtgaggtg | gataccaata | ttctattttg | cagatagaat | 3840 |
| ttggcccaga | gaggttaact | aatatatcca | tgatcacaca | gctaataaaa | gtcagagctc | 3900 |
| aggaaaaaaa | aaa | | | | | 3913 |

<210> 7792

<211> 1231

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (175)...(677)

<223> similar to gi5924319 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7792
ctagaccctc ttctctccct tcggtttctc tttttcggcc ggcgcgcgcca gttcctgggg 60
cacaccaga ggtccccttc tcgcgcgcgc ctgcaactgc gagggtagcc cggggccgct 120
tgagtcgcc cggacctgag aggctgctgc actgggcctc agccagccct ccgcatgctg 180
gtgctgccat cccctgccc tcagcctctg gcattttcct ccgttgagac catggagggc 240
cctccccgtc ggacttgccg ctcccagaa cctggacctt cctcctccat cggatctccc 300
caggcttcat ctctccaag gcccaaccac tacctgctta ttgacctca ggggtgtccc 360
tacacagtgc tgggtggacg ggagtcacag agggagccag gggccagtgg ggctccaggc 420
cagaaaaagt gctacagctg ccccggtgct tcaagggtct tcgagtacat gtcctacctt 480
cagcgacaca gcatcaccca ctcgagggt aagcccttcg agtgtgacat ctgtgggaag 540
gcattcaagc gcgccagcca cttggcacgg caccattcca ttcacctggc ggggtgtggg 600
cggccccacg gctgcccgtc ctgcccctgc cgcttcgggg atgcgggtga gctggcccag 660
cacagccggg tgactctggt ggaacgccc tttcagtgtc cacactgccc tcgcgccttt 720
atggagcaga acacactgca gaaacacac cggtggaagc atccatgagc cgggctgccg 780
ggtgccccag gtaccacagg actttgcagg gagcctggac tcctgtccag acacctggtg 840
agagcctgag gctggtgttc agggccctgg acacagacac agagcagccg catctcaaag 900
gcagagccct gcctgaagga ggaatccgtg agtaatcttc aggtcctccg tgttctggag 960
ctgagatggg aatgagcccc tacacagaat ggagtcctct agcctaaaga tatcagctgt 1020
tccatggcag agccttgact ggatggagggt ggggagtggt gtgtgtaaag tctctggcct 1080
cataaaaggt ggctgtgggt cgtcaggaat ctgcgccatc ttctggggg cttctgcggc 1140
tgttgttggg ggaagggacc ccagtctctc ctccacccc ccaaccaggc ctgagactga 1200
tcaaacaata aacacgtttt cccacttttg a 1231

```

<210> 7793

<211> 1183

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (112)...(722)

<223> similar to gi452320 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7793
gaaaacttct tcctggcctg ggctccgtgc cgctctgttt gccaacgctc cagtcgccgc 60
taccagtgcc gggcgctccc caccctccc ccggtcctcc cgggtgcgcg catggccaaa 120
gcctacgacc acctcttcaa gttgctgctg atcggggact cgggggtggg caagacttgt 180
ctgatcattc gctttgcaga ggacaacttc aacaacactt acatctccac catcggaatt 240
gatttcaaga tccgcaactg ggatatagag gggaagaaga tcaaactaca agtctgggac 300
acggctggcc aagagcgggt caagacaata actactgcct actaccgtgg agccatgggc 360
attatcctag tatacgacat cacggatgag aaatctttcg agaattttca gaactggatg 420
aaaagcatca aggagaatgc ctcggtggg gtggagcgcc tcttgctggg gaacaaatgt 480
gacatggagg ccaagaggaa ggtgcagaag gagcaggccg ataagttggc tcgagagcat 540
ggaatccgat ttttcgaaac tagtgctaaa tccagtatga atgtggatga ggcttttagt 600
tccttgcccc gggacatctt gctcaagtca ggaggccgga gatcaggaaa cggcaacaag 660
cctcccagta ctgacctgaa aacttgtgac aagaagaaca ccaacaagtg ctccctgggc 720
tgaggaccct ttcttgccct cccaccccg aagctgaacc tgagggagac aacggcagag 780

```


| | | | | | | | |
|-------------|------------|------------|------------|-------------|------------|------------|------|
| ggagt | gagca | ggggagaaat | agcagagggg | cttgagggt | cacataggt | gatggtaaag | 840 |
| agaat | gagga | gaaaaaggag | aaaaggga | agcagaaagg | aaaaaaagga | agagagagga | 900 |
| aggga | gaagg | gagaggaatg | aattgaggaa | gtgaaagaag | gcaaggaggt | aggaagagag | 960 |
| ggagg | aggaa | aggaaggaga | gatgcctcag | gcttcagacc | ttacctgggt | tttcagggca | 1020 |
| aacataaatg | taaatacact | gatttattct | gttactagat | caggtttttag | ggtcctgcaa | 1080 | |
| aaggctagct | cggcactaca | ctagggaatt | tgctcctgtt | ctgtcacttg | tcatggtctt | 1140 | |
| tcttgggtatt | aaaggccacc | atttgcacaa | atgaaaaaaa | aaa | | 1183 | |

<210> 7794

<211> 1582

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (306)...(1453)

<223> similar to gi4325086 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7794

| | | | | | | |
|-------------|-------------|-------------|------------|------------|-------------|------|
| accctggagc | tagcgtcatc | gcgaaggaaac | tcccacgacc | ggatggaaga | gcccagctga | 60 |
| cacaaccaag | acgagtctca | gtgtctaggg | aagcttgggg | ttctgctcct | tttacttcag | 120 |
| gcgaacctga | actcagttaa | tgcaattttg | aagcatgccc | tgaatagatt | cagtcattat | 180 |
| caagtcaaac | taaaaacggt | gaaagggtgc | gactattacc | aaataggaaa | aacctgaaga | 240 |
| cataagaact | acacatgagg | aatatgtcat | ttagcacttt | cactttttga | tctccacaga | 300 |
| agacaatgag | aagtcatacc | ataacaatga | cgacaacttc | agtcagcagc | tggccttact | 360 |
| cctcccacag | aatgcgcttt | ataaccaatc | atagcgacca | accgccacaa | aacttctcag | 420 |
| caacacccaaa | tgttactacc | tgtcccatgg | atgaaaaatt | gctatctact | gtgttaacca | 480 |
| catcctactc | tgttatcttc | atcgtgggac | tggttgggaa | cataatcgcc | ctctatgtat | 540 |
| ttctgggtat | tcaccgtaaa | agaaattcca | ttcaaattta | tctacttaac | gtagccattg | 600 |
| cagacctcct | actcatcttc | tgccctccct | tccgaataat | gtatcatatt | aacccaaaaca | 660 |
| agtggaact | aggtgtgatt | ctgtgcaagg | ttgtgggaac | actgttttat | atgaacatgt | 720 |
| acattagcat | tattttgctt | ggattcatca | gtttggatcg | ctatataaaa | attaatcggt | 780 |
| ctatacagca | acggaaggca | ataacaacca | aacaaagtat | ttatgtctgt | tgtatagtat | 840 |
| ggatgcttgc | tcttggtgga | ttcctaacta | tgattatttt | aacacttaag | aaaggagggc | 900 |
| ataattccac | aatgtgtttc | cattacagag | ataagcataa | cgcaaaagga | gaagccattt | 960 |
| ttaacttcat | tcttgtggta | atgttctggc | taattttctt | actaataatc | ctttcatata | 1020 |
| ttaagattgg | gaagaatcta | ttgaggattt | ctaaaaggag | gtcaaaattt | cctaattctg | 1080 |
| gtaaatatgc | cactacagct | cgtaactcct | ttattgtact | tatcattttt | actatatgtt | 1140 |
| ttgttcccta | tcatgccttt | cgattcatct | acatttcttc | acagctaaat | gtatcatctt | 1200 |
| gctactggaa | agaaattggt | cacaaaacca | atgagatcat | gctgggtctc | tcacttttca | 1260 |
| atagttgctt | agatccagtc | atgtattttc | tgatgtccag | taacattcgc | aaaataatgt | 1320 |
| gccaaacttct | ttttagacga | tttcaagggtg | aaccaagtag | gagtgaagc | acttcagaat | 1380 |
| ttaaaccagg | atactccctg | catgatacat | ctgtggcagt | gaaaatacag | tctagttcta | 1440 |
| aaagtacttg | aggtaaacat | actaaaatga | attaagaggc | tgcattatat | ccagcagcag | 1500 |
| gtgtgaacac | cctgggggtga | tgctggggct | gagtgaattg | gacatttttc | agcagggaca | 1560 |
| cccaggccag | tggcggggtct | tt | | | | 1582 |

<210> 7795
 <211> 1230
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1231)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1074)...(279)
 <223> similar to gi5912229 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7795

| | | | | | | |
|------------|------------|------------|------------|-------------|--------------|------|
| tttttttttt | ttctgataaa | attatgtttt | aattgcctat | ggcatatatt | acataatggc | 60 |
| tcaaaattaa | tagtctggct | gaaattaaga | aaaacagctg | atgatgactt | agttaaactcct | 120 |
| taattttaag | taagcttttg | gccaaaagtc | aggggtagaa | ttgactcaaa | attaacagcc | 180 |
| ttcaccatct | tttattcatt | ctgctgtgat | acaactaaaa | tggccagtaa | attctcccct | 240 |
| gggtctcagg | taacagtttt | ccaaaagtga | agtatcactt | tctctgcaca | gtggtgaaag | 300 |
| ccggcatttg | gatgggctgg | atcgggtgga | caggetgaaa | cactggcttc | tttctcactt | 360 |
| cagagtgtgt | tttactgca | gggagcagct | gattcctttt | gatgatctgt | aaggccagct | 420 |
| gagtattacc | attctgcagt | tcaaggtaga | ctgccagcaa | gatggcctca | gggggcacct | 480 |
| ctttaggatg | gatcattgaa | gccgcctggg | ggagacactt | tcgggctttg | tcatattcgc | 540 |
| tcctcaggca | gtaagcgtg | ccaaggttga | acagcatcac | agtcctggca | gagttgacgg | 600 |
| aactggggta | gcactgaggg | gcccgtttac | cagaggattc | cattgcttca | ttttcacctt | 660 |
| tgtctgatcc | ttggctcctg | tcatttgaag | agatccctaa | ggagacatca | gtgacattct | 720 |
| ccgggttcaa | gtgagtaatg | gcatcagata | ttctgtcgag | agagatgagg | gcttctgcag | 780 |
| catataaatg | tcccaaaaac | ttaagagatc | ctgacagctt | gggctgctga | agaagtttat | 840 |
| ctgcatgatt | caaagccatg | aggttatcac | ccaaagccag | agccacgtag | gcactgcaag | 900 |
| caagtatgga | gcactttaag | ttttctaatt | cctgttttct | caatggagaa | gaaggtggag | 960 |
| ctggaatgaa | tttatctcca | tcattggctt | tactgctgca | agtttcaactg | ctttcgetgc | 1020 |
| tctctgtgtt | cccaccta | tgattactat | ttttagcccc | attttctctgc | tttggatctt | 1080 |
| gctgttcttc | aggtagcagc | aacaaggcat | ttctgagaca | tatggctgca | aactccatac | 1140 |
| tggctacagg | aatggccgaa | gactgccgaa | ttccaccgca | ctgactagt | gtctacgatn | 1200 |
| ctcaattnnn | nnncgcccc | gcctctcccc | | | | 1230 |

<210> 7796
 <211> 2513
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (418)...(1173)
 <223> similar to gi939707 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 7796
ggagccgcgc cgcattctcag gcgcagtcctc taggggctgt gcgcattccta ggggggggaca 60
tgtgcatctc aggggggctg ctgcgcatctg ggggggtgctg tgtgcatctc gggggggctg 120
ttgcatctac gcgggggtggc tgtgtccgca tctggagggg gctgtgcgca acccgggggg 180
ggtgttgccg ccatctagca gggcgggctg tgcgcatttc gggggggggc tgtgcatatc 240
tggggggaca cgtgcttata tctggggggcg gctgtgcgca tcttgagggg tgtgtacatc 300
tcggggggcc tgtgcgcata ttgggggggt gtgtgcatcc gcgggggctg tgcgcatttc 360
gggggtgctgt gcgctgctcc tctgagctct gctctttctt gcagcgtttg cctcagcatg 420
gagggcgggg ccgcggcagc cccccccaca gcaactgcctt actacgtggc cttctcccag 480
ctgctggggc tgaccttggt ggccatgacc ggcgcgtggc tcgggctgta ccgaggcggc 540
attgcctggg agagcgacct gcagttcaac gcgcaccccc tctgcatggt cataggcctg 600
atcttcctgc agggaaatgc cctgctggtt taccgtgtct tcaggaacga agctaaacgc 660
accaccaagg tcctgcacgg gctgctgcac atctttgcgc tcgtcatcgc cctggttggc 720
ttggtggcgg tgctcgacta ccacaggaag aagggtacg ctgacctgta cagcctacac 780
agctggtgcg ggatccttgt ctttgtcctg tactttgtgc agtggtggtt gggcttcagc 840
ttcttcctgt tccccggagc ttcatctctc ctgaggagcc gctaccgcc acagcacatc 900
ttctttggtg ctaccatctt cctcctttcc gtgggcaccg ccctgctggg cctgaaggag 960
gcaactgctg tcaacctcgg gggcaagtat agcgcatttg agcccgaggg tgcctggcc 1020
aacgtgctgg gctgctgctt ggctgcttc ggtggggcgg tgctctacat cttgacccgg 1080
gccgactgga agcggccttc ccaggcgga gagcaggccc tctccatgga cttcaagacg 1140
ctgagcgagg gagatgccc cggctcccag tgatgcgccc ggccggccct gggggttcgc 1200
ggggtgtctt cttgcctgcc cctgctgagg cgtcttcagg actgcaggct ccggagagtg 1260
gctctggcag caggcgggcg cgtgggtgca gctgcatctg tttgagtgtt gctttctggg 1320
gtcaggtctc cgctcctctt gcttctcctt tctccgctgc tatagaccag ttcattgtgt 1380
gtggctcccg tgtctctgtt gcccccttca gtgcagaagg ctttgggtag gacttcgggt 1440
gttcggtcct ggtcgcagag cacagatctt taaagaagcg agagaggagg cccacccctc 1500
ctggcagcag atgctgggg caaggccagg ggaactggg ggggcctcag ggacaggcct 1560
ggaaaggcca cgatggctgc tgaattcaaa caaggagtcc ctccagcctg aataacacgt 1620
ggcacaaatg ggcccgccct ttggcagagg agcaagtgat atgatgtgta aagtatgttg 1680
gtggtgaaag caaggttccc caggagaggg gagggactgg ccctgggaa gctctgagat 1740
gaggctgtgg ccagctgta gtccctgacct tctcttctt taacccttta gccctaggat 1800
ggctttggtg ggagagggga tagaagccca tgacttcaga cagactttct cttggcagat 1860
gcaggcgggc ctccctcccag gctgctccag acatgggggt tggggatggg gggcaccttg 1920
cagcccttc ctgctggggc tccctccttg tagaccccc cttgcggctc agctctggtt 1980
tctctccca ggctcaccca ggctctgctc aggtggggag gcagagggca caaaccttat 2040
aattttttaa atgaaaaacc gctgctgctg gctgtggcta gagccccctg gggctgctgg 2100
agctgctgcc tctgttctgg aggacgagcc ttctccttat ctgctgccc tctttccagg 2160
aagtcaggat ggagtgcaga caactacagt catccccctg ggtgtctgca catcactcca 2220
gccccataaa gagtgtcatg ttagctgagt caccatttgg cttcgccctg gaaatagtgt 2280
gattagaaca ctgatcgtgt gcgaggccag gagatcaaga ccactctgac taacaaacac 2340
agtgaacccc cgtctctact aaaaatacaa aaaattagcc aggcgtggtg gtgggcgctt 2400
gtagtcctcag ctacttgagg ggctgaggca ggagaatggt gtgaaccgg gagatggcgc 2460
ttgcagttag ctgagattgc actccagcct gggcgacagg ctcaaaaaaa aaa 2513
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<210> 7797

<211> 1258

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (72)...(919)
 <223> similar to gi5824665 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7797

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|-------------|------|
| acctctagtc | cagcgtggtg | gaattcagtg | ccctgagcgt | ctccatggcc | tgcctgagcc | 60 |
| cctcgcagct | ccagaagttc | caacaggatg | gattcctggt | gctggaagga | ttcttgtctg | 120 |
| cggaagagtg | tgtggccatg | caacaaagga | ttggcgagat | agtggctgaa | atggatgttc | 180 |
| ctctccactg | cgcacagaa | ttctccaccc | aggaagagga | gcagcttcga | gcccagggca | 240 |
| gcacagacta | tttcttgagc | agtggtgaca | agattcgatt | cttctttgag | aaaggcggtt | 300 |
| ttgatgagaa | aggaaatttc | ctggtccttc | cggagaaatc | catcaacaaa | attggccacg | 360 |
| ctctgcacgc | ccacgacccc | gtcttcaaga | gcatcacaca | ctccttcaag | gtgcagacct | 420 |
| tggccagaag | tctgggcctc | cagatgcccg | tgggtggtgca | gagcatgtac | atctttaagc | 480 |
| aacctcactt | tggcggtgaa | gtctccccctc | atcaggacgc | ctccttctctg | tacacggagc | 540 |
| ccctgggccc | ggtgctgggc | gtgtggatcg | cagtggagga | tgccacgctg | gagaacggct | 600 |
| gtctctggtt | catccctggc | tcccacacca | gtggtgtgtc | aagaaggatg | gtccggggccc | 660 |
| ctggttgctc | agcgcctggg | accagcttcc | ttgggtcaga | gccagcccgg | gataacagcc | 720 |
| tctttgtgcc | caccccagtg | cagagagggg | ccctggctct | catccatgga | gaagtgggtac | 780 |
| acaagagcaa | gcagaacctc | tctgaccgct | cgcgccaggc | ctacactttc | cacctcatgg | 840 |
| aggcctctgg | caccacctgg | agcccgagga | actggctcca | gccaacagct | gaactgccct | 900 |
| ttccccaaact | gtacacctaa | aggctctcgc | agggcaggag | ccctcgcccc | tcccgggtga | 960 |
| agctgtgggc | tgtaaacacc | agtgccttgc | tcagcctcct | ggttgcaaca | gggaggtcct | 1020 |
| gtctccccctc | ctgggctttc | ctcctgcctt | gtgggcagca | gcctaggctg | ggtcaggggc | 1080 |
| ttccctaaga | tcttcacctc | tctgcctccc | tactgcccc | acatagcctt | gaggaggcct | 1140 |
| ctcagccacc | aaagggttct | ggcccccttct | cactctctctc | tcctctcaga | tggaaactctg | 1200 |
| gttattatgg | tgtagttat | cgaataaaaa | cgacttcaga | atgcacaaaa | aaaaaaaa | 1258 |

<210> 7798
 <211> 1581
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1460)...(347)
 <223> similar to gi5931549 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7798

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | ttcacattca | gttcttttat | ttaattttct | agtggacaat | ttacatatct | 60 |
| ccctcaccct | gtcttttaag | ttagtgtgac | aattttccat | aataaactac | ttaaagagaa | 120 |
| gctttggtca | agaatggaat | gaaatcgcaa | aaaaacaaac | aaaaaaatta | ctgccttaaa | 180 |
| aaaaccaaca | ctttcaccaa | ttttatatct | aaacaaaacc | acacggcatt | ggcgtgatat | 240 |
| gtgttttcag | tgtttccttg | gggctggctt | cctcgccatc | gtgccacggc | acagctgcgg | 300 |

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|------|
| tcggccacag | tttgtcatgc | tggatggcgg | aggctcactc | agcttcacat | tatccggagg | 360 |
| ccctggatgg | aagactcgag | ggtcttga | tcccaaattg | tcatggctcc | atcgatgcca | 420 |
| gtagtgcaaa | atttgcgaca | atcttgcttg | tccacctcat | aaatagagac | ttgagtgatg | 480 |
| ctattctggt | gcagcgtctc | caaggccgtg | ttgcggctct | cagttgtggc | tctcttgtcc | 540 |
| atgttgcgga | agcgttccat | ggcagacatg | ttgcgttgga | tgctctgttt | tggaatatct | 600 |
| aacttgga | cgaaggtcag | gcagccgcgg | tcatcgtagt | taaagagcat | tgggcagcag | 660 |
| tcatggccag | cagccacgac | gctgttctct | gagacaaatg | acacacttag | gagcggcagg | 720 |
| aactctgtct | tcagagtcga | gacctgcaca | ctttttgagg | catcagcaac | agacacggtg | 780 |
| ctgtcgtggc | tgaccaggc | caggcggctc | ccactggcag | agaagcttac | cccgtggacc | 840 |
| cagccaccag | tgccactgcc | accaaactct | gacatcagct | gccccaaaagg | catcttgtctg | 900 |
| ccccagggcg | tgctggctgg | cttttcatcc | acttcttta | tgtaggcaga | aaacactctg | 960 |
| catttgaa | cacatgatcc | tgctgccagc | aaaacgttgt | tgggatgcca | atccaagctg | 1020 |
| aggactgtgg | agcgaatcgg | ctttttaatg | tgcttgctca | cccaccagtc | attttcagac | 1080 |
| tcaaagtaac | aaacagaaat | gagtcgtgct | ccacttccca | cagcaaattt | gttctctagg | 1140 |
| ggggaccact | tcacaaaagt | agctgcgcga | ttaattctca | ggatcaccag | ggttggcttc | 1200 |
| caaacaccat | ctttctgact | ccagacatag | gcattgcggt | ctgccccaca | agtgacaatg | 1260 |
| cggtcgctct | tgggagccca | gtcaatacct | gtgatgtgtc | cgttggtgtc | cttgagttca | 1320 |
| tgagctttca | cccactggct | cccgttcttc | ttatagatgt | gcacttcgtg | attattggga | 1380 |
| ctgagggcaa | tctgagtacg | atccctgttc | caggcatgac | aggtgattgg | ctctagtaaa | 1440 |
| aactgatgca | gtgacattat | tcttagtgtt | ttcaaaggag | agaaagctgg | gatcggggga | 1500 |
| gtccggacgg | gctcggagcg | gaggattcgc | ggactctggg | cagtcgacgc | gaacaggctc | 1560 |
| cgtcgggcgc | gggcggagga | c | | | | 1581 |

<210> 7799

<211> 1528

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (69)...(1243)

<223> similar to gi3850704 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7799

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|-----|
| ggaattccc | ggtcgacgat | ttcgtgctga | gtactgggg | ccagaaagt | atcgctgcc | 60 |
| tggtcgccat | ggggaagtc | gattttctta | ctcccaagg | tatcgccaac | aggatcaagt | 120 |
| ccaaggggct | gcagaagcta | cgctgggtatt | gccagatgtg | ccagaagcag | tgccgggacg | 180 |
| agaatggctt | taagtgtcat | tgtatgtccg | aatctcatca | gagacaacta | ttgctggctt | 240 |
| cagaaaatcc | tcagcagttt | atggattatt | tttcagagga | attccgaaat | gactttctag | 300 |
| aactttctcag | gagacgcttt | ggcactaaaa | gggtccacaa | caacattgtc | tacaacgaat | 360 |
| acatcagcca | ccgagagcac | atccacatga | atgccactca | gtgggaaact | ctgactgatt | 420 |
| ttactaagt | gctgggcaga | gaaggcttgt | gcaaagtgg | cgagacacca | aaaggctggt | 480 |
| atattcagta | catagacagg | gaccagaaa | ctatccgccg | gcaactggaa | ctggagaaaa | 540 |
| agaaaaagca | ggaccttgat | gatgaagaaa | aaactgccaa | atttattgaa | gagcaagtga | 600 |
| gaagaggcct | ggaagggga | gaacaggagg | tccctacttt | tacggaatta | agcagagaaa | 660 |
| atgatgaaga | gaaagtcacg | tttaatttga | gtaaaggagc | atgtagctca | tccggagcaa | 720 |
| catcttccaa | gtcaagtact | ctgggaccga | gtgcactgaa | gacgatagga | agttcagcat | 780 |
| cagtgaacg | aaaagaatct | tcccagagct | caactcagtc | taaaagaaa | aagaaaaaga | 840 |
| aatctgcact | ggatgaaatc | atggagattg | aagaggaaaa | gaaaagaact | gcccgaacag | 900 |

| | | | | | | |
|------------|-------------|-------------|-------------|------------|------------|------|
| actactggct | acagcctgaa | attattgtga | aaattataac | caagaaactg | ggagagaaat | 960 |
| atcataagaa | aaaaggctatt | gttaaggaag | taattgacaa | atatacagct | gttgtgaaga | 1020 |
| tgattgattc | tggagacaag | ctgaaacttg | accagactca | tttagagaca | gtaattccag | 1080 |
| caccaggaaa | aagaattcta | gttttaaatg | gaggctacag | aggaaatgaa | ggtaccctag | 1140 |
| aatccatcaa | tgagaagact | ttttcagcta | ctatcgtcac | tgaaactggc | cctttaaaag | 1200 |
| gacgcagagt | tgaaggaatt | caatatgaag | acatttccta | aacttgccct | gagtttgaaa | 1260 |
| atttgttaac | aatacattaa | aatcttaaaag | catcaaattg | gtgttcgcca | aggcattatg | 1320 |
| agactctact | gtgttagggg | atattctttt | gtataaaaaca | aacagggttt | tgaaaatatt | 1380 |
| actgtatagt | tagttgttca | gctaaacttt | gagaagaatt | taattatgtc | tcatgaggta | 1440 |
| tcaaactatg | taattttgtc | cttggtattt | ttgtttcctt | tgtaatttac | ttgatgagtt | 1500 |
| tatatcttca | ttaaagaatg | ttattata | | | | 1528 |

<210> 7800

<211> 3565

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (277)...(923)

<223> similar to gi6002803 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|-------------|------|
| <400> 7800 | | | | | | |
| gcgaggggtga | caggaaaccc | tgtgcaggga | gcgcccgcac | cttggaccag | cccagaggaag | 60 |
| atactgaggg | agcacaggag | cagtcaccgc | tgccactgct | actgccgcta | ctgctgccgg | 120 |
| cgcgtctgca | cctctcgcc | tgccagtgtg | cctgccggcg | cctcggtcga | ccgccccgc | 180 |
| cccctctccc | gctgcgtccg | cactcctgtt | cctggtcctg | acgccccct | ccgccccgga | 240 |
| aagctgccca | gccaccagca | acccccagt | gccaccatgg | caactgcacc | atacaactac | 300 |
| tcttacatct | ttaaataatat | tattattggg | gacatgggag | taggaaaatc | ttgcttgctt | 360 |
| catcaattta | cagaaaaaaa | atttatggct | gattgtcctc | acacaattgg | tgttgatttt | 420 |
| ggtacaagaa | taatcgaagt | tagtggccaa | aaaataaaaac | tgagattttg | ggatacggca | 480 |
| ggacaggagc | gattttagggc | tgttacacgg | agctactaca | gaggagctgc | gggagctctt | 540 |
| atggtctatg | atatcactag | aagaagtaca | tataaccact | taagcagctg | ggtgacagat | 600 |
| gcaaggaatc | tcaccaatcc | aaatactgta | ataattctca | taggaaataa | agcagatttg | 660 |
| gaggcacaga | gagatgttac | atatgaagaa | gccaaacagt | ttgctgaaga | aaatggctta | 720 |
| ttgttcctcg | aagcgagtgc | aaaaacggga | gagaatgtag | aagatgcctt | ccttgaggct | 780 |
| gccaaagaaa | tctatcagaa | cattcaggat | ggaagcttgg | atctgaatgc | tgctgagtct | 840 |
| ggtgtacaac | acaaaccttc | agccccgcag | ggaggccggc | taaccagtga | acccaaccc | 900 |
| cagagagaag | gctgtggctg | ctagtacact | ccttgctgtg | gccccctatt | tgacctttca | 960 |
| cctctgtctg | ttggaagcag | tactttttac | tgccctcattg | tcttctgtac | atcttactgg | 1020 |
| gtttaattaa | aaaaaaaagaa | aaaactctgt | tgtaaaaaca | gtttaacaca | atactaaact | 1080 |
| gctaaacaac | tagatgtaat | caggttatca | aaggcaagta | gagtaataaa | tctctcctgc | 1140 |
| atggtaaatc | tagacttttt | ttcccccttg | tcctcgtgat | aagtatgtca | ccaatatatg | 1200 |
| atttaaaccg | agcactgatg | ctggacttca | tgattttttac | cctccctttg | gcaaggcttt | 1260 |
| gtctcactgt | acggtttaat | ttggtgatat | cttaagcctt | tcttcccatc | cttaactggt | 1320 |
| caagtatgtc | tgttgtaacc | aataagttta | ttgctgtgaa | attacttctg | atggtagaga | 1380 |
| aggggttcta | taactgcttt | tgttttgttt | tggataaatt | tctgttgtg | tgggtggcat | 1440 |
| ttttcttaac | gagatttgct | tctgtcttaa | cctcacacag | ggaaaataac | catttatctt | 1500 |
| ctctctcggg | cttaattaat | agcttttatct | ttttttatac | cattttatcc | ttttctcttt | 1560 |

| | | | | | | |
|-------------|-------------|------------|-------------|------------|------------|------|
| aacagaaagt | aaatatgtat | aaaatttgaa | ggaatcgaac | taacaataca | ttctgtgtat | 1620 |
| attattttta | tgaagaaaat | aaattgatta | ctggcattgg | aacagtataa | aataccagtt | 1680 |
| tgtacagtat | gacctatatg | tgacctgtt | actcccttcc | atttcacaca | aagaaataga | 1740 |
| cacaactgca | gttcacaagt | agtactggct | ccacccttgg | gtgctggcag | tgtttgggga | 1800 |
| cattatgctg | gaaagagctc | ctagcatcag | aggattaaca | ctagcagatt | ctgttccatc | 1860 |
| tttgactgtg | tgcttacctg | ctgattttct | taactgttct | tgtgcaatcg | acaatgtgct | 1920 |
| aacctgcttt | tctctttttg | taaacgtttt | tgcattacag | gctgcattct | tgcttactg | 1980 |
| tatagaaaaa | gaaaaaaggc | tgggtttact | attgcacatt | ttaagctttt | atacctttat | 2040 |
| cttcttggaa | tggtcagatt | ctgaactgga | cagtcagaac | cacaggctcg | ctgttaaggg | 2100 |
| attttaaatt | gtgcattttt | aacctacag | tgaataaact | taagatatcc | ctgtgttcac | 2160 |
| agtgtgaggg | gctgttttat | gtcatgttgg | cataaattgt | tttgtaaaag | ggaaagtgtt | 2220 |
| tctaaagggtg | tttcagcgct | tgtgctgata | caaagtaagt | tattactttg | caccagggtg | 2280 |
| tttggccact | gaattaatac | tgtatagcaa | gagaaacaat | cttatttttt | tggacaacat | 2340 |
| gttttattaa | gttcttcatt | tctgttgatt | ttttttattg | catttatgat | tcagtggctg | 2400 |
| ggaattgaga | atttatttga | aatagaatag | gtaacacctc | agcgtactat | agaaaatgca | 2460 |
| ctcagctcaa | ctgctgtgtt | taaaatacac | attttaaatc | cctctttaca | gacactaaca | 2520 |
| taaaagtaca | tctttctggg | ttgtaaacad | gtggtagtac | cagagtattg | tatagtcaat | 2580 |
| gttaaataaa | agccaaaact | ggaatgtgca | gaaagtaggc | tttggttaat | ttgtggattc | 2640 |
| atttttattt | ttgtctttgt | ttaacttttt | aaaaataaag | atttctggag | tagattggta | 2700 |
| tattctgtta | aagacttaca | gtgatccatt | ttgcttacac | tgttgcatca | caagggactc | 2760 |
| accaggggac | catgacctgc | tggtgtgtgt | gtatattttac | aaaaacaaaa | caaacaaacc | 2820 |
| accattggg | atataaggta | gcaatcacia | actaaagact | gcggcttggt | gaggtgcaat | 2880 |
| acctgactc | ccaaagttag | ttacagtggg | ttttattggt | tttgtgactg | aaggatttat | 2940 |
| tcagactgct | gtactcttca | tttgatgtaa | caaaatgcta | ttaatctaaa | tatttgtaaa | 3000 |
| taaagtacct | gtactctgat | taaattaaaa | ttggttgcat | tattttctga | actataatag | 3060 |
| ggtttttctt | cagggtgaaca | atttgacgtg | tcacagttt | ttattgcagc | actgtccata | 3120 |
| ttcattgtat | aaagagaggt | ctacgtatgt | agcatataaa | accacatcac | taagtaatag | 3180 |
| accacagct | ttattcttgt | gtttacatta | cccttgaaat | gttttcagtc | aaccttttc | 3240 |
| agtgtgaagat | cagcacattt | ggtggtgat | gctgttctcc | tttgactgta | ccgggagcca | 3300 |
| gattctatca | tatgcatgtg | taatccctg | taatacactc | aggtgctcac | aaatagagca | 3360 |
| gattgtcata | ttgtaacatg | cgtgtgccag | acaccgggca | gtacactttg | gaaagaatgt | 3420 |
| gaaatccttt | taatttttaa | tccatagctt | actgcttgtg | cagtcacctg | cctctcgagg | 3480 |
| ttgctcattg | cccttggaac | tgtgaggagg | ccctcagatt | agtaattggg | gcttagtact | 3540 |
| atttatgctt | aaatagatct | tccag | | | | 3565 |

<210> 7801

<211> 2181

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (782)...(1658)

<223> similar to gi207036 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7801

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| tgtggtcatc | atgaacctca | acaacctgaa | cctgaccag | gtgcagcaga | ggaacctcat | 120 |
| cacgaatctg | cagcggctctg | tggatgacac | aagccaggct | atccagcgaa | tcaagaacga | 180 |

| | | | | | | |
|------------|------------|-------------|-------------|------------|-------------|------|
| ctttcaaaat | ctgcagcagg | ttttttcttca | agccaagaag | gacacggatt | ggctgaagga | 240 |
| gaaagtgcag | agcttgcaga | cactggctgc | caacaactct | gcgttggcca | aagccaacaa | 300 |
| cgacaccctg | gaggatatga | acagccagct | caactcattc | acaggtcaga | tggagaacat | 360 |
| caccactatc | tctcaagcca | acgagcagaa | cctgaaagac | ctgcaggact | tacacaaaga | 420 |
| tgcagagaat | agaacagcca | tcaagttcaa | ccaactggag | gaacgcttcc | agctctttga | 480 |
| gacggatatt | gtgaacatca | ttagcaatat | cagttacaca | gcccaccacc | tgcggacgct | 540 |
| gaccagcaat | ctaaatgaag | tcaggaccac | ttgcacagat | acccttacca | aacacacaga | 600 |
| tgatctgacc | tccttgaata | ataccctggc | caacatccgt | ttggattctg | tttctctcag | 660 |
| gatgcaacaa | gatttgatga | ggtcgagggt | agacactgaa | gtagccaact | tatcagtgat | 720 |
| tatggaagaa | atgaagctag | tagactccaa | gcatggtcag | ctcatcaaga | attttacaat | 780 |
| actacaagg | ccaccggggc | ccaggggtcc | aagagggtgac | agaggatccc | agggaccccc | 840 |
| tggcccaact | ggcaacaagg | gacagaaagg | agagaagggg | gagcctggac | cacctggccc | 900 |
| tgcgggtgag | agaggcccaa | ttggaccagc | tgggtccccc | ggagagcgtg | gcggcaaagg | 960 |
| atctaaaggc | tcccagggcc | ccaaaggctc | ccgtgggttcc | cctgggaagc | ccggccctca | 1020 |
| gggccccagt | ggggacccag | gccccccggg | cccaccaggc | aaagagggac | tccccggccc | 1080 |
| tcagggccct | cctggcttcc | agggacttca | gggcaccggt | ggggagcctg | gggtgcctgg | 1140 |
| acctcgggga | ctgccaggct | tgcttggggg | accaggcatg | ccaggcccca | agggccccc | 1200 |
| cggccctcct | ggcccatcag | gagcgggtgg | gcccctggcc | ctgcagaatg | agccaacccc | 1260 |
| ggcaccggag | gacaatagct | gcccgcctca | ctggaagaac | ttcacagaca | aatgctacta | 1320 |
| tttttcagtt | gagaaagaaa | tttttgagga | tgcaaagctt | ttctgtgaag | acaagtcttc | 1380 |
| acatcttggt | ttcataaaca | ctagagagga | acagcaatgg | ataaaaaaac | agatggtagg | 1440 |
| gagagagagc | cactggatcg | gcctcacaga | ctcagagcgt | gaaaatgaat | ggaagtggct | 1500 |
| ggatgggaca | tctccagact | acaaaaattg | gaaagctgga | cagccggata | actgggggtca | 1560 |
| tggccatggg | ccaggagaag | actgtgctgg | gttgatttat | gctgggcagt | ggaacgattt | 1620 |
| ccaatgtgaa | gacgtcaata | acttcatttg | cgaaaaagac | agggagacag | tactgtcatc | 1680 |
| tgcatataaa | cggactgtga | tgggatcaca | tgagcaaatt | ttcagctctc | aaaggcaaa | 1740 |
| gacactcctt | tctaattgca | tcaccttctc | atcagattga | aaaaaaaaaa | agcactgaaa | 1800 |
| gccatttact | gaaaaaaaaa | tgacagctag | ggttttttac | catccgtcat | tacccaaaga | 1860 |
| cttgggaact | aaaatgttcc | ccagggggat | atgctgattt | tcattgggca | catggactga | 1920 |
| atcacataaa | ttctcctccg | tcagtaaccg | tggcgattat | acaaattatg | tcttccaaag | 1980 |
| tatggaacac | tccaatcaga | aaaaggttat | cattggctcg | tgagttatgg | gaagaactta | 2040 |
| agcatatact | gtgtaaacag | tgccatacat | ttctaaaatc | ccaagtgtag | gaaaaaatatg | 2100 |
| cagacatata | gatatatagg | ccaactatta | gtaataatat | gaaatatact | taaagagctt | 2160 |
| ttaaaacttt | gaaaaaaaaa | a | | | | 2181 |

<210> 7802

<211> 1185

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1120)...(826)

<223> similar to gi33918 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7802

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | ttagttataa | tgactttatt | aaccttttga | tctttcaaca | ttagatagtt | 60 |
| ctttcttaat | atttccagga | gagtacctca | tttttatttt | gaaaaccatt | cagcacattt | 120 |
| atcttatgta | acatgcagag | catatatcta | tctgtatttt | taaaattttc | ctgttactca | 180 |

| | | | | | | |
|------------|------------|------------|-------------|-------------|-------------|------|
| ttgatacata | gtacttaatt | acatgttatt | ccatgtacac | tgaaaacaat | ataggaaata | 240 |
| tatacatcta | agacttctac | tttgtacagt | ctttcattaa | ataagaatac | ttacacatac | 300 |
| attttcagat | atttctacct | tcctgtatgt | gtttggaatt | gtatggaagg | aggcacttga | 360 |
| agaaatttgg | gccccttggg | aggatggcag | tggaagtcca | tgaagttaaag | agcattcttt | 420 |
| aaaaagcaga | tttgattgca | taccttttag | ttatttgaga | ttctgagaat | tctgataaac | 480 |
| cccaaagcag | aaagattcct | tatacccttg | gaagatggga | aagggtgaggg | aaatatttga | 540 |
| agcagggtca | gaacatccac | taagaacata | gcacctcagt | agagcttaca | ttatagtgcc | 600 |
| agggtagagt | tattactgaa | tagcttagga | tgatgaacat | taaccttctt | acaggagtag | 660 |
| tagcagctga | tttggtgacc | atcattgggc | accttttagt | gtaactgcaa | actaagaaca | 720 |
| attatggcct | gacatatact | ccatgtaggg | aagtgatggg | agaggcagcc | tctgtgtggt | 780 |
| ccatccttgg | aagcactgca | tcgattttgc | tcccctctgg | ttttaaggag | atctttttaga | 840 |
| cctttccttg | ctaactgctt | tcagtaaatt | cttgatggcc | ttcgattctg | gattcagaca | 900 |
| tctcttctca | cccttctttt | tcattgtagc | aatgatctca | acacgtggac | aaaattggct | 960 |
| tgcaggaata | atttcaagtt | tttctaaaga | ccttggatta | acaggttgat | tactaatgct | 1020 |
| gatgcaggta | cagcgtacag | ttctagagag | aggtaactcct | tgaatgccac | ttagagtcag | 1080 |
| aaagataagg | cagcaaatac | gaatggcagt | ttgattcatg | gtgctgagac | tggaggttcc | 1140 |
| tctgctgtag | gctcagaata | tgtctaagca | attgaggaat | gtctc | | 1185 |

<210> 7803

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (118)...(721)

<223> similar to gi4689260 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7803

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-----|
| tttcgtccgc | cgcgcgcctt | tgagtcagca | aactccgcgg | cccgaagcc | cggctcggcc | 60 |
| cggccctgct | ctgttctgcc | cggaggagcc | gccattgat | cgtgtcctgt | gctgaagatg | 120 |
| tttcgggaac | aacagaaaga | ggaatttgta | agtgtctggg | ttcgagatcc | taggattcag | 180 |
| aaggaggact | tctggcattc | ttacattgac | tatgagatat | gtattcatac | taatagcatg | 240 |
| tgttttacaa | tgaaaacatc | ctgtgtacga | agaagatata | gagaattcgt | gtggctgagg | 300 |
| cagagactcc | aaagtaatgc | gttgctggta | caactgccag | aacttccatc | taaaaacctg | 360 |
| tttttcaaca | tgaacaatcg | ccagcacgtg | gatcagcgtc | gccagggctt | ggaagatttc | 420 |
| ctcagaaaag | tcctacagaa | tgcacttttg | ctttcagata | gcagccttca | cctctttctta | 480 |
| cagagccatc | tgaattcaga | agacattgag | gcgtgtgttt | ctgggcagac | taagtactct | 540 |
| gtggaagaag | caattcacaa | gtttgcctta | atgaatagac | gtttccctga | agaagatgaa | 600 |
| gaaggattaa | ctgaaaatga | tatagattat | gattcagaaa | gttcactctc | tgggcttgga | 660 |
| cacagtagtg | atgacagcag | ttcacatgga | tgtaaagtaa | atacagctcc | gcaggaatcc | 720 |
| tgaaaaataa | ttctaagtgt | actatct | | | | 747 |

<210> 7804

<211> 730

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(731)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (237)...(403)
<223> similar to gi5306259 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7804
ccgtgtggtg gaattccccc ccaaactgcc ggtgcagatg cccttgaccc ccagtaacca      60
gcaacaagac cgtcactgtg tgaggaaagt ggggcgccat cctcaccctt gcacagcggc      120
ggcgactcct ctagctccca atgcaaaagc gtttaaagat gcagctcaga agcatcacca      180
gcagcacaag gggagggtccc aagaaccaga acttacatca ctgcctccga gttcagaggt      240
ttcctttccc accttctcag aactttctgt ttccatggcc tcctctgcc cctctgccac      300
ctccccctgat gtgctggcct ccgtttccat cgctcctca tggccgtctt ccgcccggtg      360
ttccaagccc agctcaggca agtctccggg cgccaacagc tggctgatgg tgacatgctg      420
cagcctggtc acatcagaaa ccatgagggg ggatctccgg aggtcatcga tgtggacaga      480
ctgccacagc cctccgtgga agccacata ggctgttctt cttcccaccc gggacagttt      540
tgtgatgaaa tagacgaaga tacggtcctc attttctcgt attttgttga tttcatttat      600
aacagaatac ttagctgagg caatgagctg ggcgctacgg attccatctt caaaatctgt      660
ctgaaaaaatg agaattttac atttggctgt attcgtaaaa cagtgtcgga cttcgttaagg      720
nntaggaatt                                     730

```

```

<210> 7805
<211> 1484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1242)...(703)
<223> similar to gi5138991 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7805
tttttttttt ttcatgcttt ttccctttcc cttttttttt ttttaaacia gcagctcagc      60
gatttgggag gttggttagt acaatacaga gaacacagag agaaagtata aaatggcact      120
gaacactaat gccaatactt atctcattgt ggttataacg aaggatatta ttatttgtgt      180
tatttttgtc tggaacataa atcaatgcc aacttgaa cttgaggtat atacacaata      240
cacacacaac cttaagcaaa atacttttca taagtaacat tacattttta aatattggaa      300
acattcgaat atctgtgctg atttgtattc tgacttaatg gaacaagaag aaaataacat      360

```

| | | | | | | | |
|------------|------------|-------------|------------|------------|-------------|------------|-----|
| tcaactaggg | agggttaa | ac | tgataataaa | gctcttaaaa | ttcaaaatgt | cttcctctcc | 420 |
| ctttgtactt | accataggct | acacaatgtc | ctgagaggat | tcattatgag | aaaaatgtca | | 480 |
| atcacagctt | caataactta | ctttggaaaa | aactaatgag | aaagcaaact | ggaagggtgag | | 540 |
| acttcatctt | tgttttcaaa | taagtgggtct | taatttttct | tcttatagaa | aaagtttaaa | | 600 |
| tcagtttatt | ataaatatat | ctaaaccatt | aatttttgca | gctttcaggt | aaagtccagc | | 660 |
| acttcattta | tacaaaatct | atgagaagag | gtcagtagag | atcatcta | cttaagtcgt | | 720 |
| gacatcatcc | attcaagtc | ttggcacaat | ccctcgccag | ttagagcaca | gcatgcctgg | | 780 |
| atatgccact | ggtgatcttt | aatagaagtt | agcttcaaaa | actgggagat | ttctgctaca | | 840 |
| gtcatgcatt | ctttaacatc | ttgtttatta | gcaaaaatca | gcaatccagc | ttttcttagg | | 900 |
| tctcatgcg | ctaacatttt | atagagttct | tctctagtta | cagaaatcct | ctctctgtct | | 960 |
| gtactgtcca | caacaactat | tacaaactct | gtgttagtat | agtaagtgtt | ccaggaagaa | 1020 | |
| cgaagagatt | cttggccacc | aatatcccac | attaggaaac | gtgtattatt | aatcactatc | 1080 | |
| tcttctacat | tacttcttat | tgtaggagat | gtatgtacaa | cttcattcat | agaaaattgg | 1140 | |
| taaagaatgg | tagttttccc | tgcattatcc | agcccaacaa | tgataacttt | gtgctcctgg | 1200 | |
| tgattgaaca | gtctccatat | tctagtgaag | agaattccca | ttctcgggca | gcggaccccc | 1260 | |
| ccccctccag | acacccgggc | cgcctggctt | cccccggtc | aggctgaggg | ggaggagaga | 1320 | |
| gacgcgctgg | agcctccgcc | tctgctgctg | ctcccgcgct | ggtcgcgggc | ccgcttccag | 1380 | |
| ggaaccggag | ggaggccgaa | gccagggccg | ccctgccgcg | cgcaaggccc | cgccgctgcc | 1440 | |
| gccgcggcac | tcgcctggct | cgcggacatc | gccgcgcgct | tgct | | 1484 | |

<210> 7806

<211> 2468

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2149)...(1799)

<223> similar to gi791150 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7806

| | | | | | | |
|------------|------------|------------|-------------|-------------|------------|------|
| tttttttttt | ttatagtcta | aattttatta | tctccaagtc | acaatgctga | tcacaaatgg | 60 |
| gcacccttta | aaacagtaac | aaaaaacacc | accacacatg | gaaaaatcct | tgcaactaaa | 120 |
| cacagtggac | caacagagac | aactctcaca | gtgtcttaag | gtctgggaat | ctgggcatgc | 180 |
| tgcccacagg | cttgaggaga | catcttcagg | tttaaggcaa | agggaacagc | ctacaaaagg | 240 |
| cacaaccacc | agctacccct | agaagaatct | cttagttatt | tctccttgg | gggttacaga | 300 |
| ttaagtgcct | ctccccactc | tccatcccac | acctgtgact | cagagtgatt | aggccagctg | 360 |
| ctagatggaa | ggaataaaaa | cagtgcatt | accggggaga | gacacagcca | ccatctttgc | 420 |
| cctcaggttc | tgtagaagga | caggacagtc | ggccagggtta | ccctggcag | acgtatgtac | 480 |
| tgtagtaata | ggaatctctt | ccacagaggc | agcagagaag | tggttttagtg | ccatggatag | 540 |
| ggaggaaaga | taggagccct | tgcccagaag | gtgactggct | tccttaggcc | ttaagcccag | 600 |
| gagtttttat | attctgtctg | caaggacaaa | aatagaattc | ggggaaaata | aggtagtaac | 660 |
| atctaaaaca | cttgtagcag | gaaagacgtg | gagaagagca | attgcaaagg | acagggtaga | 720 |
| ctgcttgctg | gataatattt | gcctttaaag | agatgcattg | gtccacagca | actggaaaag | 780 |
| gggtgtagca | agaagaatgg | aaagaagaga | agcaaggccc | tctaattcca | cttacctcaa | 840 |
| aagactgagc | cctgaggact | atgtgaatac | acacccttaa | aggcaaaggc | tctcactcca | 900 |
| ccatcccttt | ctcacaaaag | catctggtgt | gccatctctc | cccacagtag | ggtattggcc | 960 |
| ctcagcagag | aacagaagcc | catcatagta | caggtattga | tggtgctca | gactcctaaa | 1020 |
| aacctaagtc | aaagagaagg | gtccttacc | acctactctg | agcttttctg | cacaatggga | 1080 |

| | | | | | | |
|------------|-------------|------------|-------------|-------------|-------------|------|
| ccctctgtgc | agacagccat | gcttccacag | ggtttagagtt | aaggggaatac | aagtatacaa | 1140 |
| gaggataaca | aatgccaaact | aaaagtga | ggccagggtct | tttttagactt | ggtgggggaag | 1200 |
| gctggctgat | acattctcca | ttatctggga | tgcacggaag | agtcaaaagg | gaatccagag | 1260 |
| gggctagaaa | accagaagac | tagacttggt | tcatttaaag | gcagggagag | agagcaagaa | 1320 |
| acagaaacaa | agagaaaaaa | ttaaaataat | attaaggata | agaagccagg | ctttaaaaat | 1380 |
| gaacatctta | gaaaacaaaa | caaacaggaa | ggagcttcct | tgggaacaga | agacacttca | 1440 |
| atttcccaga | agtgaagaac | agcagaagac | atgggcttct | gtatctagac | tcagaagctt | 1500 |
| ggggctgtct | ggctctctct | gctccccga | acacagccaa | ctcaagtga | gagtgaagat | 1560 |
| gggacgaggt | ccacttggtt | ctccctctct | ctagagcctg | tcctcagagg | aaggcagggg | 1620 |
| tcctcctctt | tcagctgttt | gctggtagga | gccacaccct | atatctttga | agcccttctg | 1680 |
| gtagtagata | gccagctgta | tttctcttct | gagttctcac | ctctgctgct | ttttatatga | 1740 |
| tgtaagatt | taaaatatct | agaaacttgt | attaactgga | acccctgctt | acaacctcag | 1800 |
| gtggaggggg | cttgatggtg | actggctggg | gagtcctccg | gggtggggag | ggctttggct | 1860 |
| gcacctgctg | ctgggcgggg | ttatagtagg | tcactcctcc | atatacctgt | gatggggcct | 1920 |
| gtgtattagg | atacagatga | ggcggtggtg | ggggaggcag | tgccccctgga | gcataagggt | 1980 |
| aactgggatt | accaaagtct | atgacgcctg | gagcagaaaa | gtaagtagga | gcaagcaact | 2040 |
| gctgaggtgg | tggctgtcct | ggagacatgg | acactgggtg | gggatagagg | cctggattgg | 2100 |
| gcagaggagc | tgggtgtctg | tggggatgta | aacctggata | aggagaagaa | aaaaactgaa | 2160 |
| aaataaagta | acatcatctt | cacaggatgg | cccggctgga | ctgctcagta | taatcaggct | 2220 |
| cagaatggaa | gtcctcagga | tggacacaag | aggaaacttgt | tgcccaagca | gccaggatgg | 2280 |
| ccagactccc | aggctagcag | cacaaagctc | aggaggatgg | gttttgtggc | actcccaaca | 2340 |
| tatatcctca | ggtactggaa | gcatataagc | agagacacaa | agcttacctg | ggtgggggaag | 2400 |
| gttcattcct | ggctgcacaa | gcatgccctg | tggaggcaaa | agggaaaggc | ggtcaacttg | 2460 |
| ggtataga | | | | | | 2468 |

<210> 7807

<211> 1010

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (998)...(222)

<223> similar to gi6018458 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7807

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | tccagcaacg | ctccttttaa | tatccggatg | tccaaagcca | cagcctgtgt | 60 |
| gttgagcccc | gggtagggct | gctggccgga | ggctgttggc | ttccagcagc | agcacgacgt | 120 |
| ggctttttga | aaggagagcc | cggagagtgg | cggccagcag | gggccagacc | ccatgggccg | 180 |
| cgtgcctggt | cccagctgcg | gcgtccctct | ggccagctac | aaaggggaat | gcttctcgaa | 240 |
| gggcacggtc | aggaggcggg | cggccgcctc | gtccaagaac | cagcacagtt | tcccggtgtg | 300 |
| gggctggacc | agggcggcgg | gcagcggggt | ttcctcctgg | tcctccaaaa | tgcgcttcag | 360 |
| aacagctgcc | ttgccttctc | cagttgccac | aaagatgaca | gttcgtgctg | cattcaggac | 420 |
| aggtagtgtg | agggtcacac | gctgtggcgg | tggcttcggg | gagtcactga | tgggagccac | 480 |
| aatcttctcc | cgctcctgta | ggaggggggt | gtctgggaag | agtgagcagg | tgtgaccatc | 540 |
| ggggcccacc | cccaggatca | gcaggtcgaa | aaccgggatg | gagtcacctt | ggaatgcctg | 600 |
| tctcagcttc | ttggcgtagt | cctcagccgc | ctcctccaca | ggcagctcgg | ggttaatggt | 660 |
| gatcacctgg | ctttctggga | tcggcagctc | ggagagaaga | tgcgtccggg | agaggccgta | 720 |
| cgtgctctcg | gcgtgatcga | agggcacgag | gcgctcgtcg | cagaagccca | gcgtccagcg | 780 |

| | | | | | | |
|------------|-------------|-------------|-------------|------------|------------|------|
| cgctaagcta | gctggccccg | cagggggcgac | ggcggcggggt | agctcgcggg | ctagcatcga | 840 |
| gacgaggctc | ccgccccgaca | agccgagcgc | gaaacgggcg | cgggcccctg | ccaggcagca | 900 |
| tgctgcgcgc | tggggccacca | gctgcgcctag | cgccgcaccc | agctcctggg | aactcgagaa | 960 |
| caccgagatg | aggccccggg | ccggcgcggc | catggcgagg | gcggcggcgg | | 1010 |

<210> 7808

<211> 2182

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (178)...(1457)

<223> similar to gi3766197 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7808

| | | | | | | |
|------------|-------------|------------|-------------|-------------|------------|------|
| gcggccctcc | cccgcctccat | gttctacggc | aggctagtgg | ccgtggccac | ccttcggaac | 120 |
| tcagaaatgg | cggcctccat | gttctacggc | aggctagtgg | ccgtggccac | ccttcggaac | 120 |
| caccggcctc | ggacggccca | gcgggctgct | gctcaggttc | tgggaagtgc | tggattgttt | 180 |
| aataaccatg | gactccaagt | acagcagcaa | cagcaaagga | atctctcact | acatgaatac | 240 |
| atgagtatgg | aattattgca | agaagctggt | gtctccgttc | ccaaaggata | tgtggcaaag | 300 |
| tcaccagatg | aagcttatgc | aattgccaaa | aaattaggtt | caaaagatgt | cgtgataaag | 360 |
| gcacaggttt | tagctgggtg | tagaggaaaa | ggaacatttg | aaagtggcct | caaaggagga | 420 |
| gtgaagatag | ttttctctcc | agaagaagca | aaagctgttt | cttcacaaat | gattgggaaa | 480 |
| aaattgttta | ccaagcaaac | gggagaaaag | ggcagaatat | gcaatcaagt | attggtctgt | 540 |
| gagcgaaaat | atcccaggag | agaatactac | tttgcaataa | caatggaaag | gtcatttcaa | 600 |
| ggtcctgtat | taataggaag | ttcacatggt | ggtgtcaaca | ttgaagatgt | tgctgctgag | 660 |
| actcctgaag | caataattaa | agaacctatt | gatattgaag | aaggcatcaa | aaaggaacaa | 720 |
| gctctccagc | ttgcacagaa | gatgggattt | ccaccttaata | ttgtggaatc | agcagcagaa | 780 |
| aacatggtca | agcttttacag | cctttttctg | aaatacgatg | caaccatgat | agaaataaat | 840 |
| ccaatggtgg | aagattcaga | tggagctgta | ttgtgtatgg | atgcaaagat | caattttgac | 900 |
| tctaattcag | cctatcgcca | aaagaaaatc | tttgatctac | aggactggac | ccaggaagat | 960 |
| gaaagggaca | aagatgctgc | taaggcaaat | ctcaactaca | ttggcctcga | tggaaatata | 1020 |
| ggctgcctag | taaatggtgc | tggtttggct | atggccacaa | tggatataat | aaaacttcat | 1080 |
| ggagggactc | cagccaactt | ccttgatggt | ggtggtggtg | ctacagtcca | tcaagtaaca | 1140 |
| gaagcattta | agcttatcac | ttcagataaa | aaggctactg | ctattctggt | caacattttt | 1200 |
| ggaggaatca | tgcgctgtga | tgttattgca | cagggtatag | tcatggcagt | aaaagacttg | 1260 |
| gaaattaaaa | tacctgttgt | ggtacggtta | caaggctacac | gagtcgatga | tgctaaggca | 1320 |
| ctgatagcgg | acagtggact | taaaatactt | gcttgtgatg | acttggatga | agctgctaga | 1380 |
| atggttgtta | agctctctga | aatagtgaac | ttagcgaagc | aagcacatgt | ggatgtgaaa | 1440 |
| tttcagttgc | caatatgatc | tgaaaaccca | gtggatggct | gaagggtgta | aatgtgctat | 1500 |
| aatcattaag | aatactgtgt | tctgtgttat | tgttcttttt | cttttttagtg | tgtggagatt | 1560 |
| gtaattgcca | tctaggcaca | caaacattta | aaaggatttg | gactgcattt | aattgtacca | 1620 |
| ttcagaatgg | actgtttgta | cgaagcatgt | ataatgcagt | tatcttcttt | ctttcgtcgc | 1680 |
| agccagtctt | ttttgcttct | cctacaaaac | gtaacttgca | atttgccagt | ttattattgt | 1740 |
| tggatacaaa | gttcttccatt | gataagagtc | ctataaataa | gataaatacg | aagataaagc | 1800 |
| tttattcttt | agtgttaaaa | tacagtatat | ctaataacta | gcctcattag | tagagcagta | 1860 |
| tattaaaaca | atgttttatg | taaaaagtgt | ttatcttcag | caccaaatac | atgataaatg | 1920 |
| tatcaatcac | tattttataaa | cagagctttc | aaacactcct | cagaatattc | ttctaagtat | 1980 |

| | |
|---|------|
| tttgatgaag taactttgta attatttgaa cattgtttta atcattagga aacactgatt | 2040 |
| aactgcaagt cttcatgatt ctgtcatatt aagaaacacc tgtaggtttg cttcaaataa | 2100 |
| aggcatatat accaaggact tacagacaaa attaagaatg tcaatttaag ttaataaaaa | 2160 |
| tctcccaata tgaaaaaaaa aa | 2182 |

<210> 7809

<211> 669

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (662)...(287)

<223> similar to gi3171874 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7809

| | |
|---|-----|
| ttttttttac tgagaaactg cagccatttt tcagtcacgc acggctgata tttattatgt | 60 |
| ttattcataa tttgattgct tgtttgtgca gtgcttagtg gacagcacat ctcagggagc | 120 |
| ctcccagagg cctgggggtgg aatacgggtca tggaccatac aggaagcttc accagactgg | 180 |
| gaggctgagg gccttccccg agcctttctg ctgataggga aggcagagaa actgagagca | 240 |
| tcaccatttc ttcagttagt gctttctcct ttctgtaatt cctgttagtc atcatcatca | 300 |
| tcacacctcg gaacaaaaat gtcatgttcc tcaagtagag cagcaaagtt cttgctaata | 360 |
| agtgtcccg catagagaaa ggggatcaca atggagaaca cacggagaag gccgaaggac | 420 |
| attttcaccg gtttgggcaa aatggcgccg ctgcggttaa cgatgactga cctcgacggg | 480 |
| accaggctcc ggcctgagcc gctccatgcg gcggagacat cgccatcttt cctcaagcta | 540 |
| ggcccgtcc ggagagcccc ggacctgacg ggtgccaaata ctagccagcg agccgctccg | 600 |
| gacgccatgc cccagctcc gccctcacc cgggcacccg caccaccg cccagccctc | 660 |
| gtgacgaaa | 669 |

<210> 7810

<211> 1652

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1455)...(1264)

<223> similar to gi299471 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7810

| | |
|---|----|
| atggaacatt tccattacgt ggaatacacc aaagtcaaga tgccctatgt acctgtccaa | 60 |
|---|----|

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|------|
| aactacccca | tcaaggctct | tttcagattg | atgaatttgt | ccacactgaa | agttcttcaa | 120 |
| cgaagatgca | gctagtaaac | cagaggcttg | aaactgtcac | agaggtgata | cgttcctgtg | 180 |
| ctgcaaaagt | caacaagaat | ctctcattta | cttggccacc | agcagtttcc | tcacaacagt | 240 |
| ctaagttaaa | gcagtcaaac | atgctgaccg | ctcaagagat | tctacatcag | tttggtttca | 300 |
| ctcagaccgg | gattatcagc | atagaaagaa | agccttgtaa | ccatcaggta | gatacagcac | 360 |
| caacggtagt | ggctctttat | gactacacag | cgaatcgatc | agatgaacta | accatccatc | 420 |
| gcgagacat | tatccgagt | tttttcaaag | ataatgaaga | ctggtggtat | ggcagcatag | 480 |
| gaaagggaca | ggaaggttat | tttcagcta | atcatgtggc | tagtgaaaca | ctgtatcaag | 540 |
| aactgcctcc | tgagataaag | gagcgatccc | ctcctttaag | ccctgaggaa | aaaactaaaa | 600 |
| tagaaaaatc | tccagctcct | caaaagcaat | caatcaataa | gaacaagtcc | caggacttca | 660 |
| gactaggctc | agaatctatg | acacataaag | aattgaagaa | aagttaagag | ctgccgaaat | 720 |
| gcacagaggt | gaaaatgaca | aaccaaatgg | aattttctct | cagagttcag | aattttcaga | 780 |
| tactaaggag | gaagaaagga | tccactactt | cttgttctta | tgaatgactc | tagaaaaatc | 840 |
| agaatcaagt | tgtgggtgga | aaaatcaacg | tggcctttga | gttcagttgt | tataaaccat | 900 |
| tgtgactatt | gttgggtcaa | gtattggtac | ttatattggt | agtaattgca | tcataattac | 960 |
| attaccagtg | ttggaaaact | aatgaagaaa | acactgtaat | tgctactcag | caaatgtgaa | 1020 |
| taaaaggtgt | ttgcgttatt | aggatgtctg | ttaagtaatc | atttaattatt | attatattgg | 1080 |
| taatggttgt | atgtgtgatg | ctatgcccg | aatatgaagt | atctgttttt | gaaattcact | 1140 |
| ttatttaaaa | gataagcagc | tgactgggca | cggcgctca | tgctgtaat | cctagcacct | 1200 |
| tgggaggctg | aggcagggtg | atcacctaag | gtcaggagtt | caacaacacc | agcctgacca | 1260 |
| acatggtgaa | accccatctc | tactaaaaat | acaaaaatca | gccgggtctc | atggcaggca | 1320 |
| cctgtaatcc | catctactga | ggcaggagaa | ttgcttgacc | caggaggcag | aggttgcagt | 1380 |
| gagccaagat | cacgccattg | cactccagcc | tgggggacag | agcaagactc | tatctccaaa | 1440 |
| aaacaaaaaa | gataagcagc | tttagaatat | ggcgcatcca | aaacagctct | agtaacaaag | 1500 |
| acattaaaag | aaaacaattt | actttcta | taaaattttg | tgtttcttaa | gatcaaatca | 1560 |
| tataggtaac | ttcatagacc | taaattaaaa | gtgatttttg | gctggactgg | caacaatgtt | 1620 |
| cccaatgtct | ttacttttta | aaaaaggctt | tt | | | 1652 |

<210> 7811

<211> 944

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (30)...(482)

<223> similar to gi4894941 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7811

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|-----|
| cggaattgt | tcgctttagt | gccggcgcca | tggggtcgga | gctgatcggg | cgcctagccc | 60 |
| cgcgctggg | cctcgccgag | cccacatgc | tgaggaaagc | agaggagtac | ttgcgcctgt | 120 |
| cccgggtgaa | gtgtgtcggc | ctctccgcac | gcaccacgga | gaccagcagt | gcagtcagt | 180 |
| gcctggacct | tgagcttcc | tgatgaagt | gccccttgga | cagggttat | ttaatataac | 240 |
| tttctggttt | gaacaaggag | acatatcaga | gctgtcttaa | atcttttgag | tgtttactgg | 300 |
| gcctgaattc | aatattgga | ataagagacc | tagctgtaca | gttttagctgt | atagaagcag | 360 |
| tgaacatggc | ttcaaagata | ctaaaaagct | atgagtcacg | tcttccccag | acacagcaag | 420 |
| tggatcttga | cttatccagg | ccacttttca | cttctgctgc | actgctttca | gcatgcaagt | 480 |
| aggtatttca | ttaaacattc | agaaaagtta | ccaatttaca | agtgggtttt | tcaccccaa | 540 |
| ggaatacttc | taacttagtt | gatatcaatt | cagagcatat | tttcccctag | aaataatatt | 600 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| aggaatattg | gccaagtac | tatattccca | gtttatccca | taatgtagct | aacaacttgg | 660 |
| aactagtgtt | gccagaattc | cactagcaaa | tagcagctgt | atatatatgc | tgggaattct | 720 |
| gatttcagtc | tgccttttgt | aagagatgat | atctgtcatt | aaaacagtct | tcacatgtga | 780 |
| tttttctgct | catatttttt | aaaaagtact | ggttgggcca | ggcgtggtgg | ctcccgctg | 840 |
| taatcccaac | actgggaggc | agaggcagga | ggactgcttg | aggcaaggag | ttcaagacta | 900 |
| gcctagacag | cataataaga | ccccaatctc | ttaagaaata | aaaa | | 944 |

<210> 7812

<211> 1902

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (381)...(1386)

<223> similar to gi736727 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7812

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|------|
| ccacacacac | cacacacaaa | gagtgcgaatt | gagagccttg | ggccaggacg | ctagaagata | 60 |
| gggatgtagt | tgtcgatttt | ggcgcggtgg | cgctgggcca | tacattcagc | gatccacacg | 120 |
| atgttgcgac | actcctgctc | cttgagcttc | acgaaggcat | agaagacacc | aaagtggaaac | 180 |
| tggttcagga | aggccaactt | gttcagcttt | acctcgctgt | caaagaatcg | gtcctccagc | 240 |
| gtcttgctctg | caccaggttg | aggtagtcgg | cctggctgag | caccccgcc | ttcaggccgc | 300 |
| gcaccagtcc | ctccaagtag | ccattgtcca | cgttaaagta | aagctccggg | aagaacgaca | 360 |
| tggctgctgc | gggagcggcg | ggactggtgc | gcggcctgaa | ggccgggggtg | ctcagccagg | 420 |
| ccgactacct | caacctggtg | cagtgcgaga | cgctagagga | cttgaaactg | catctgcaga | 480 |
| gcactgatta | tggtaaactt | ctggccaacg | aggcatcacc | tctgacgggtg | tcagtcatcg | 540 |
| atgaccggct | caaggagaag | atggtggtgg | agttccgcca | catgaggaac | catgcctatg | 600 |
| agccactcgc | cagcttcccta | gacttcatta | cttacagtta | catgatcgac | aacgtgatcc | 660 |
| tgctcatcac | aggcacgctg | caccagcgct | ccatcgctga | gctcggtccc | aagtgccacc | 720 |
| cactaggcag | cttcgagcag | atggaggccg | tgaacattgc | tcagacacct | gctgagctct | 780 |
| acaatgccat | tctggtggac | acgcctcttg | cggttttttt | ccaggactgc | atttcagagc | 840 |
| aggaccttga | cgagatgaac | atcgagatca | tccgcaacac | cctctacaag | gcctacctgg | 900 |
| agtccttcta | caagttctgc | accctactgg | gcgggactac | ggctgatgcc | atgtgccccca | 960 |
| tcctggagtt | tgaagcagac | cgccgcgcct | tcatcatcac | catcaattct | ttcggcacag | 1020 |
| agctgtccaa | agaggaccgt | gccaaactct | ttccacactg | tgggcggctc | taccctgagg | 1080 |
| gcctggcgca | gctggctcgg | gctgacgact | atgaacaggt | caagaacgtg | gccgattact | 1140 |
| acccggagta | caagctgctc | ttcgagggtg | caggtagcaa | ccctggagac | aagacgctgg | 1200 |
| aggaccgatt | ctttgagcac | gaggtaaagc | tgaacaagtt | ggccttctctg | aaccagttcc | 1260 |
| actttggtgt | cttctatgcc | ttcgtgaagc | tcaaggagca | ggagtgtcgc | aacatcggtg | 1320 |
| ggatcgctga | atgtatcgcc | cagcgccacc | gcgcaaaaat | cgacaactac | atccctatct | 1380 |
| tctagcgtcc | tggcccaagg | ctctcaattg | cactctttgt | gtgtgtgtgt | gtgtgtgtgc | 1440 |
| gcgtgtgtgt | gcgtgtgtgt | gtatgtggtc | tgtgacaagc | ctgtggctca | cctgcctgtc | 1500 |
| cggggtgtag | tacgtgttcc | tagcggctgc | ccagttctcc | tgacctctt | agagactggt | 1560 |
| cttaggcctg | aaaaggggct | gggcaccccc | ccccaccaag | gatggacgaa | gacccccctcc | 1620 |
| agagcaagga | ggccccctca | gccctgtggt | tacagccgct | gatgtatcta | aaaagcatgt | 1680 |
| cactttcatg | ttcctcccta | actccctgac | ctgagaaccc | tggggcctgg | gggcagtttg | 1740 |
| agcctcctct | cccttctgtg | ggtcgctccc | agagccatgg | cccatgggaa | ggacagagtg | 1800 |
| tgtgtgtcct | tggggcctgg | ggggatgttg | ctcctcagct | ccctccctca | gccctgcccc | 1860 |

tctgagacaa taaaactgcc ctctctaagg ccaaaaaaaaa aa

1902

<210> 7813
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(763)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (639)...(378)
<223> similar to gi642605 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7813
taaaaagggc cccctttttt tttttttttg tccctaaata gcatgcgttc atgacgctgg 60
ctcactttat ttttgccccc aggtcaggtc tcccaaaggg tttcccagca gtcacttcag 120
agtctcctgc agagtcacca tcaagcagac ctcttctctg ggaggccgtg tcgccacccc 180
aacccttgac ttctggtatc accatctcct gtcacctggg ctccagtctc tgtccgatgg 240
cctcaacagg acatcaaagc atagctacca gtttgaaggc gccctcaggc ttggcaggaa 300
ccacgtggac aaaagtcttg tagagcacag cacccttggg cagcctggtg atcagatcca 360
cagcctccgt gtttctggga tgaggcacgt agacctcctt agtgtagcgg actatcccct 420
cttccagggc atacagacat ttattcttcc caacaccac atgggcacct gggtgccagc 480
ggaaatggcg ctgtgttgca atgatgttcc cagcatgaac atagtgcct tccattttct 540
taatgccttg gcgtctgcct gatgactttc caccgaggtt tttggagcta ccaccgact 600
tcttgatgc gtatctgaca gcaagagctg tagccggagt ggggcttagc aaggatgtaa 660
cggtgtccg ggtcctcagc gccaacacca ccgacgccat gccggacgcg tgggtcgnc 720
cggaaaggcc gtcgatgtcc gcacgcgatc aatnggaccc ac 762

<210> 7814
<211> 3021
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (527)...(2435)
<223> similar to gi4868122 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7814

| | | | | | | |
|------------|-------------|------------|------------|-------------|-------------|------|
| tttcgtatga | gaggtctgtg | gagtttctgc | agccgcgcgc | agaggagacc | tcagcatcat | 60 |
| ctagagccca | gcgctggccc | tgccctccgc | tgccccgcgc | ccgcgcgcgc | cgtttctgtt | 120 |
| cctgctactg | tcccacctaa | acaactcccg | ttacacggac | aagtgaacaa | ctgtggctga | 180 |
| cctctccttt | tcttccctct | cttccaactc | cttctcctcc | tcccacttcc | cagccgcagc | 240 |
| agaaagcccc | caacccaact | gacactggca | caactgcaaa | cgggtgtcatc | cgcacaaactt | 300 |
| tatctcgctc | ctcgggctcc | cctaaggcat | tggaacctac | gccgcgtctt | ttattttttg | 360 |
| caaagttgca | tcgctgtaca | tatttttgtc | cccgccacct | ccctctgtct | ctggagtgcc | 420 |
| ctacagcccc | gcaaactcct | cctggagctg | cgccctagt | cccctgctgg | gcagtggcgt | 480 |
| tcccccccat | cctcccgccg | ccagcccctg | ctgctctggg | cagacgatgc | tgaagatgct | 540 |
| ctcctttaag | ctgctgctgc | tggccgtggc | tctgggcttc | tttgaaggag | atgctaagtt | 600 |
| tggggaaaga | aacgaaggga | gcggagcaag | gaggagaagg | tgccctgaatg | ggaaccccc | 660 |
| gaagcgctg | aaaaggagag | acaggaggat | gatgtcccag | ctggagctgc | tgagtggggg | 720 |
| agagatgctg | tgcggtggct | tctaccctcg | gctgtcctgc | tgccctgcgga | gtgacagccc | 780 |
| ggggctaggg | cgccctggaga | ataagatatt | ttctgttacc | aacaacacag | aatgtgggaa | 840 |
| gttactggag | gaaatcaaat | gtgcactttg | ctctccacat | tctcaaagcc | tgttccactc | 900 |
| acctgagaga | gaagtcttgg | aaagagacct | agtacttctt | ctgctctgca | aagactattg | 960 |
| caaagaattc | ttttacactt | gccgaggcca | tattccaggt | ttccttcaaa | caactgcgga | 1020 |
| tgagttttgc | ttttactatg | caagaaaaga | tggtgggttg | tgctttccag | attttccaag | 1080 |
| aaaacaagtc | agaggaccag | catctaacta | cttgaccag | atggaagaat | atgacaaagt | 1140 |
| ggaagagatc | agcagaaagc | acaaacacaa | ctgcttctgt | attcaggagg | ttgtgagtgg | 1200 |
| gctgcggcag | cccgttgggtg | ccctgcatag | tggggatggc | tcgcaacgctc | tcttcattct | 1260 |
| ggaaaaagaa | ggttatgtga | agatacttac | ccctgaagga | gaaattttca | aggagcctta | 1320 |
| tttgacatt | cacaaaactg | ttcaaagtgg | aataaaggga | ggagatgaaa | gaggactgct | 1380 |
| aagcctcgca | ttccatccca | attacaagaa | aaatggaaag | ttgtatgtgt | cctataccac | 1440 |
| caaccaagaa | cgggtgggcta | tcgggcctca | tgaccacatt | cttaggggtg | tggaatacac | 1500 |
| agtatccaga | aaaaatccac | accaagtgtg | tttgagaaca | gccagagtct | ttcttgaagt | 1560 |
| tgcagaactc | cacagaaagc | atctggggag | acaactgctc | tttggccctg | acggcttttt | 1620 |
| gtacatcatt | cttgggtgatg | ggatgattac | actggatgat | atggaagaaa | tggatgggtt | 1680 |
| aagtgatttc | acaggctcag | tgctacggct | ggatgtggac | acagacatgt | gcaacgtgcc | 1740 |
| ttattccata | ccaaggagca | accacactt | caacagcacc | aaccagcccc | ccgaagtgtt | 1800 |
| tgctcatggg | ctccacgatc | caggcagatg | tgctgtggat | agacatccca | ctgatataaa | 1860 |
| catcaattta | acgatactgt | gttcagactc | caatggaaaa | aacagatcat | cagccagaat | 1920 |
| tctacagata | ataaaggggg | aagattatga | aagtgaacca | tcacttttag | aattcaagcc | 1980 |
| attcagtaat | ggtccttttg | ttggtggatt | tgtataccgg | ggctgccagt | cagaaagatt | 2040 |
| gtatggaagc | tacgtgtttg | gagatcgtaa | tgggaatttc | ctaactctcc | agcaaagtcc | 2100 |
| tgtgacaaag | cagtggcaag | aaaaaccact | ctgtctcggc | actagtgggt | cctgtagagg | 2160 |
| ctacttttcc | ggtcacatct | tgggatttgg | agaagatgaa | ctaggtgaag | tttacatttt | 2220 |
| atcaagcagt | aaaagtatga | cccagactca | caatggaaaa | ctctacaaaa | ttgtagatcc | 2280 |
| caaaagacct | ttaatgcctg | aggaatgcag | agccacggta | caacctgcac | agacactgac | 2340 |
| ttcagagtgc | tccaggctct | gtcgaaacgg | ctactgcacc | cccacgggaa | agtgtctctg | 2400 |
| cagtccaggc | tgggaggggg | acttctgcag | aactgggtaa | ccctgaaaag | gtttgtctcag | 2460 |
| aacatccttt | gctggccaac | tgactgact | ccagaaagag | acttctaagt | gtaatcagag | 2520 |
| agcaaagcat | atgctgtctg | ccccctggaa | gcaagaggaa | ggaagaatcc | aagggaagtt | 2580 |
| atatggcgga | tattccaccc | aaccaaaatc | caaaactgac | tgttcctttc | tgttgcactg | 2640 |
| gagttgcttg | agcctctgtg | tctccccctc | aggctggggc | actcccatgt | tgagatccca | 2700 |
| ccttgaagga | atgggaacat | agagcttggg | aggccctctg | tagagaatgc | tcctgtgaag | 2760 |
| cagagatttc | aaaggactaa | aatcttcatt | ttaaatagag | ttaattttgc | aaagggttgc | 2820 |
| aattgtttct | catgatctct | gcttctctag | aaatgtctct | cattctctgc | tgagttcagg | 2880 |
| tctccaaata | actatgggtg | taaaagcctg | tttctactt | gcatatttat | ctttcagatc | 2940 |
| attttgtaac | tatctccctc | cttttttccc | tcgcttccct | tattcagcaa | atatttggtg | 3000 |
| gtctcatgct | cagtccctgg | t | | | | 3021 |

```

<210> 7815
<211> 3139
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3096)...(1502)
<223> similar to gi32354 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 7815
ttttttggag cgaggatata gaagatttat tcgaagtcca ggtacagact ggccaacctg      60
cctctacagc gtccacagcg aacacagggc tagacaaggg aggagtttct caaacggttt      120
taatcggttc tctccgcgtc acaagccatc gggtaaggca acggaatgtg cgtgggggtcc      180
cctgtggctc cgcggtcaca atactgagcc tgggaattgct gttagcaaaa tatacatttg      240
tgtcaccata aaaaaccgcg ccgcgcgccc tcgggtctca caacaggtat aaaaaattat      300
aaatatttac acccttggtt cacgctttta cggaaagggg atcctaggag agcccccggg      360
acaggacgcg ggggcggtag aaagagcaca gagaagacag gaggagcgcc cgccttcggy      420
gtcccagcat cagaggcagg caaaacacag aaatgagact ttggtccaaa atttgaagga      480
agaaaaaacc ctgaagtttg agagcaagtt ttctaggcga ctgcaggtga aggcgtgggtg      540
taaggcaacc ggaggcgatg ccagaggcgg cgacacgccc gccccttccc tgaagctcag      600
gggctctaag ataggaccgg ggctccctgt gcctgaccca ctgggcggcc ccgcctgctc      660
tctggaaact gggctcctgcc tgtgacttaa ttacaaggaa taaaataaaa gtaacagcat      720
acaaggtaat accacaagga agtttagatt aactcatac cattgtatca tcttgctata      780
aaaagtact taaaactatt tcttttgcat ataaatgaaa aaagattaga atatttggtc      840
aactggaaat attgctaggc acagacgtct gcaactgcaa agtatataat acagagatta      900
tgtcgaccag ctccgcagct ggagcagcgg ggagcccggc tgggggcaga agggaaggcc      960
ctgggggcgg ggtgaaggga gaatcacgtg acttgattag agggctgggg ttggggtgtc     1020
gcagccgcgg ccgcccgcgc ccagctgcat gatcctgcag gagccggcca ggccccctgc     1080
ctctctctgg tgtgaccccc tcaccccttg ggtccccagg acaccccggg tgggtgtgtg     1140
gctgcaggaa ggcaggtttt ttaaggcaca aggaagccaa gtcgtggtcg gggcgccccac     1200
ctgcaggccc cacgcccagc acaggcccca ccaaggcatg gcccagaggg tctggccccg     1260
ggtgtggagg gccgggaact cccgctgcca cagtcaccaa gagcctgagc tgtccctgtc     1320
accgcagggt gagcaagggt aactagattt aattttttta aaaacaggta aactgatttc     1380
tctttaaaaa aataaaaatc ctggtctgct aaggtcactt cagctgtttt taaagtggct     1440
tttctctgga atgatggaag ttgtcgccag ggggcccggc cgtggggggc tgtgccccta     1500
gatggtggac ttggagaagg agaccgcag gtggtggttc tccccgaggt cgtggttgtg     1560
caggtcaatg agggcctgga ccgcctcctc cacggagccc atctggatca gtgccatctt     1620
gcggtccttc tggaagaact tgaatccttt gacgacgccc ccattgctgg aaaacaggac     1680
cttgagatcc tcctcgga ga ctgagggcgg gatgttgagg aggtgcagcg tggccgaggg     1740
cggaatatg ttctggaagt tcttgagacc cggtctcttg aagcgggtgca ggggtgagtt     1800
gccgtagtcc ttggtcaggc cctggtcctc ctggccctcg cggggcagct gcacgttctg     1860
gtgcttcgag agcgtgatgc ggatgggctt cccgtgcagc ttgtgcccg tccaggtggct     1920
catggccagc tgggcctggg tgccgtccgc catctgcact agggcgttct ccttcttatt     1980
gaacaggatc ttcacgcgct gcacgtcacc gtagacgccc aaaagaataa agaggctttg     2040
gggtgtgact ctctctgggt tgaggttgct gaccagcaat acagaatttc ctgccccgc     2100
caggcccggg atggcgatcc gacctgccgc cgcagctgcc gccgccgccc aggggatggc     2160
cagggggggc agggcgccgt ggacgttcgg aacggaaagg ccgaaggccc cggccatggt     2220
ctggtccagc gagggctggc tgtccccgga aggcaggtct gggcggtgtg agtcacggct     2280
cttgctcattg ttgtacttga cgttgaggct ggtgagcttg gaaaagtcga tgcgcagcgt     2340
gcagcaggcg ttgtagatgt tctgcccgtc cagegcagac ttggcgtgct gggcgctcac     2400
ggggtccgca tactgcagca gggcctggaa ctggttggtc ttggtgaagg tgatgatctt     2460

```

| | | | | | | |
|------------|------------|-------------|------------|-------------|------------|------|
| caacactgtg | ccgaacttgg | agaaaatctg | gtgcagcaca | tccaggggtca | cagggtagaa | 2520 |
| gaggttctcc | acgatgatcc | tgagcacggg | gctctgccc | gccatcgcca | tccctgcatc | 2580 |
| cacggccgcc | gccgaggcag | ccaaggccag | gttccccgac | tggaccgagt | tcaccgcctg | 2640 |
| cagggccgcc | tgggcccgcg | cctgggttggg | agagctgtcg | gtcttcagct | ccttgtgggt | 2700 |
| ggagaactgg | atgtagatgg | gctggccgcg | cagcacaggg | gtcaccgagg | tgtagtagtt | 2760 |
| caccatggta | ttggcagcct | cctccgtgtt | catctcgatg | aaggcctgg | ttttccctt | 2820 |
| cagcatcagg | agggttggta | ccttcccaaa | gggcagcccc | agggagatga | cttccccctc | 2880 |
| cgtgacgtcg | atggggagct | tccggatgtg | gatcactcta | gaggggacgc | ctgcacttcg | 2940 |
| gctgtcacct | ttgaacttct | tgtgtcatt | tccgtttgct | gcagaagccg | agttgctgct | 3000 |
| catgataaac | ggtccgttag | tgacacaagt | agagaaaagc | tcgtcagatc | cccgtttgt | 3060 |
| accaacggct | atatctggga | caatgccgtc | catggcacac | agagcagacc | cgcgggggac | 3120 |
| ggagtggagc | cgccggaat | | | | | 3139 |

<210> 7816

<211> 1226

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1055)...(396)

<223> similar to gi4929681 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7816

| | | | | | | |
|------------|------------|-------------|------------|-------------|-------------|------|
| tttttttttt | ttgaattcaa | caagtattta | ttgagtgtct | attatgtgct | agatactgag | 60 |
| acacatcaga | gaacaaaacc | aaaagccctg | cccttgtcgg | gcttacagtc | tagcacttac | 120 |
| cgccagttaa | cctgcaggct | acctggagcc | ccgggcaagt | caccgcacct | ctgtgcctcg | 180 |
| gtcctcagct | gccaatggg | agaataagca | gacctggctc | agacatgaat | catgtgcttg | 240 |
| gtgtactgca | gatgccaaac | tgcaccccca | caaccaccca | cgtagacagc | agacagggct | 300 |
| ggaagttagt | ttttaatgat | aaagtacaat | gaagggaggg | cagaggggct | aagcctagct | 360 |
| gtctggggtg | ctgtggtggt | ggtagactgg | ctacacaaac | tgttgctgct | gctgctgctt | 420 |
| cttggtggcc | gccttgcctg | cgaggtcctt | ggccttctct | gtagctgcca | gtgccgtctc | 480 |
| ccttgccctt | tccttggctt | ccttggctgt | ctcaacaagt | gttttgggag | gggcctcgcc | 540 |
| ttgcagctta | gccaagatat | attcaaaacc | cttcatagtc | ttggtcacgt | tgcttttgaa | 600 |
| ccgggcaaga | ccaaattcct | ggacagctct | ggagacacca | aataagctag | aggagaccca | 660 |
| ggcttcccg | cggatttcag | tccagccact | gttgtcagag | ttcacacagt | aaacacatcg | 720 |
| ttcctccacc | accatcagcc | gggcgtgggt | gatgttccag | gtgaaggtag | tcattggtctg | 780 |
| attctgtggg | tccacaatag | agtcctccag | gacgtacacc | gagttagcaa | cattggcagg | 840 |
| aaatagtcgc | tcggcccagc | gtggcatcct | gttggctctg | gtcaggagtc | gccgggacag | 900 |
| cagtttcttg | tcaggggtca | cctcccgggtg | tactatgtct | tccgtcaaga | catgtttgct | 960 |
| atagggattc | gggtaccgct | gccagaaggc | ggcgaacact | tgggtcccagg | aactccggag | 1020 |
| cacgctctgg | cccaggaaat | acttcacat | cgtcccggcc | gaagcgggct | cagcaccgcg | 1080 |
| gcagcatcag | gggtgcggag | cctgggaggg | acgcgagggc | cgggcccggc | cggggctcgg | 1140 |
| cgcacaccgc | ccgccaggct | cgtagctcag | tcaccaccgc | accgcgcccc | agcagctgcc | 1200 |
| gccgccgccc | cgcgcccat | gagttg | | | | 1226 |

<210> 7817
 <211> 1206
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1097)...(731)
 <223> similar to gi2764974 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7817
tttttttttt ttctggggttg ggtttttttca tggggtttttg ttttgtttat ttcgaatact    60
gaaaaagtcc tttgggctct gtgggggttcc ccacgctcac ggctcctttc tcccacactc    120
actgcccttc ttcccacagc aaatctatth caaggacagt actttttaaa atgattaatg    180
ttgagttctc aactagctct gcagaactag aggagctggt tgcactctgtc tgtgcggatg    240
gagtttcttt tatctgacac caggtctcca accacactga aacaaggcat ttatctacag    300
agctcaacta gaaccctttt tcattaggct actccacttc cttccctca tacctacccc    360
acatcagcca cgtgggtaag aaggatagtc aggaatgttt ttaccaactc caagccctaa    420
ttcatactcc tccatatctc ccaccccacc ctttcaaccc cacccccacc cccagaattt    480
cattgatatt tctcccaact gttattttgga aaaaaggtaa aacaaaaaag gttcaaggtc    540
ttggtgctca gcccaagggg ctccatgtgc tgggacacca acaggaaagg gcttctgcct    600
ctccagccca caccgagcc acctcctgac ccctggctgc aaaagcagga aggggcagga    660
gccagcacag gaccgggtg gggcagggag ggggaagctc tcaggatctg gcagagcccc    720
gggcagcatc attcaacttg gccacccgca agcttgctgg tgacgagcga ggactttctc    780
tggggcagat cctgtggggg ggggatgtga tcaccagtca ccagggtctt gtctggtcct    840
gcacttgcca gctgcttatt cttcatcttg gctttggcca tgttgtagtc tcctgagtca    900
aagtactttt gccctttctg gagtctcttc atgaggaagt cggagcctcc aggcttttgt    960
cctaggcttg ggtatttggc ctttagcttt gcctcttcag ctctctcagg cagaatacct   1020
tctttctcct gcgtgtcctg cttctcctcg cgggtctcct ccgcagggtt ctcttcttct   1080
tgtttctggg acatggcggg accgggactg tggagtgtaa ggggccggg aaggcaaccg   1140
gagaagggaa gggggagggg aaacggggac aacctgcgct gctgcttcgg ctctgtcac   1200
tagggt                                           1206

```

<210> 7818
 <211> 1260
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (81)...(912)
 <223> similar to gi4050096 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7818

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| tgcgcgtg | cagggataag | agagcggctc | ggacagcgcg | tggccggcgc | cgctgtgggg | 60 |
| acagcatgag | cggcggttgg | atggcgag | ttggagcgtg | gcgaacaggg | gctctggggc | 120 |
| tggcgtgct | gctgtgctc | ggcctcggac | taggcctgga | ggccgcccgc | agcccgttt | 180 |
| ccaccccgac | ctctgcccag | gccgcaggcc | ccagctcagg | ctcgtgcccc | cccaccaagt | 240 |
| tccagtgccg | caccagtggc | ttatgcgtgc | ccctcacctg | gcgctgcgac | agggacttgg | 300 |
| actgcagcga | tggcagcgat | gaggaggagt | gcaggattga | gccatgtacc | cagaaagggc | 360 |
| aatgcccacc | gccccctggc | ctccccctgc | cctgcaccgg | cgtcagtgcg | tgctctgggg | 420 |
| gaactgacaa | gaaactgcgc | aactgcagcc | gcctggcctg | cctagcaggc | gagctccgtt | 480 |
| gcacgctgag | cgatgactgc | attccactca | cgtggcgctg | cgacggccac | ccagactgtc | 540 |
| ccgactccag | cgacgagctc | ggctgtggaa | ccaatgagat | cctcccggaa | ggggatgcca | 600 |
| caaccatggg | gccccctgtg | accctggaga | gtgtcacctc | tctcaggaat | gccacaacca | 660 |
| tggggccccc | tgtgaccctg | gagagtgtcc | cctctgtcgg | gaatgccaca | tcctcctctg | 720 |
| ccggagacca | gtctggaagc | ccaactgcct | atgggggtat | tgcagctgct | gcggtgctca | 780 |
| gtgcaagcct | ggtcaccgcc | accctcctcc | ttttgtcctg | gctccgagcc | caggagcgcc | 840 |
| tccgcccact | ggggttactg | gtggccatga | aggagtcctt | gctgctgtca | gaacagaaga | 900 |
| cctcgctgcc | ctgaggacaa | gcacttgcca | ccaccgtcac | tcagccctgg | gcgtagccgg | 960 |
| acaggaggag | agcagtgatg | cggatgggta | cccgggcaca | ccagccctca | gagacctgag | 1020 |
| ctcttctggc | cacgtggaac | ctcgaacccg | agctcctgca | gaagtggccc | tggagattga | 1080 |
| gggtccctgg | acactcccta | tggagatccg | gggagctagg | atggggaacc | tgccacagcc | 1140 |
| agaactgagg | ggctggcccc | aggcagctcc | cagggggtag | aacggccctg | tgcttaagac | 1200 |
| actcctgctg | ccccgtctga | gggtggcgat | taaagttgct | tcacatcctc | aaaaaaaaaa | 1260 |

<210> 7819

<211> 1035

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1036)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1016)...(257)

<223> similar to gi3970866 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7819

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|-----|
| gaggcgccgg | tagtgaaggt | gggaagtgtt | ggagcaagcg | tactggcg | tgagaagggg | 60 |
| gcggtaggtt | tttgcttta | ccaactgagt | ctccttcacc | ttccaatcta | aggaccagct | 120 |
| aagacgatga | agtggaaggg | tgccagancc | gccccctctg | ctccctatgc | tgtgaggcag | 180 |
| cccccttcca | tactggcct | ctgcttccct | ctccccattc | cgctgcccag | ggctgctctg | 240 |
| cagacccagc | tgggtgctgg | tcgggaagcc | agagcccggg | cctcccccgga | ctcaccatta | 300 |
| ctgtggtttc | ctgtttggag | ggaggcaggg | ggctgcaggt | tgctgctcaa | ggccccgtac | 360 |
| ccgcggtaac | tgtagttag | gccgccgttg | gcgtacacag | ggtcctggga | gtaggaggag | 420 |
| gctggcagtg | agtaggtgga | gtgggtgatg | gctgcggagt | cccgcgagtg | ctgcttgtcc | 480 |
| agggctatgg | gctcatcctg | tgaggactgg | tagatctcta | gacgcatccg | cttggctgcc | 540 |
| tttcttgtct | cgctctcaca | ggcagctgcc | aggatgtttt | ctgccatggc | cgaggtcaga | 600 |
| tggggtggcg | tgggtctggg | catctccatg | cgtttcttct | tcacatcctc | gcaggacttg | 660 |

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|------|
| aggtacgtgc | ggatgcgctt | gcgggccgc | tcttgaact | caggggaactg | ccggctgcag | 720 |
| gactcgatga | tggcctggat | cttctccttg | ggctgcttgg | agatgggcac | catgcgggtcc | 780 |
| aggttctcgt | ccacaaagag | acgcacaaac | atgttgaagg | ccttaagacg | ctcaggggtcc | 840 |
| atgccttcag | agtcgttcat | cttgtcattg | tctcatgggt | catcgtgggtc | atcgtcgtca | 900 |
| tcatctgccg | tcggggcccg | gcccactgtc | aggtcctcag | ggcagccgct | gacctcgggtc | 960 |
| ttgatggaat | cgtatctccc | agagctgtaa | gggggggct | cgggggtgtc | ttccccccgc | 1020 |
| atttgacgcg | gatgg | | | | | 1035 |

<210> 7820
 <211> 1085
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1086)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (643)...(795)
 <223> similar to gi5306259 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|------|
| <400> 7820 | | | | | | |
| cccccccaa | gttttttttt | ttcttttttt | ttttttgtct | agaaaaaagg | cttttattgt | 60 |
| ccagggtcg | agggcaggg | cagaggtagc | tgacatcatt | gcagatgatg | ggctggcggc | 120 |
| tacgacagct | catgagagct | gcaaagcgtg | agacatccgc | aggcagttca | ggttctgggc | 180 |
| gaggtgggca | tgacagccgc | tttctgccca | tagctgtccg | ccgagccctg | gccagccggc | 240 |
| gccgaagctg | ctcagagagg | ccaagcagga | actgaggggg | ccgagcacgg | gcacgggtgcc | 300 |
| cacctccgtc | accccttca | ctccctgtct | caggcagctc | catccagttg | tgcaccaagt | 360 |
| cagcaaagca | attgtccct | agtaccagg | gctggcgact | gcgaccctg | ttcagtaggg | 420 |
| ctgctgtcca | gtcctctgct | tccagtcct | gccagtgtc | caggcagggc | tctgggggtg | 480 |
| acttgggccc | tggatggtgg | acaggtggta | cactggctac | aggggcccctg | ctgggcatgg | 540 |
| ggaggccact | gactgagagg | cactgcctac | gaaggggctg | tgctgaggg | gctgggcgct | 600 |
| gggatacagg | cagttcttcc | tctcgccatg | tgctgcctga | cacctccgag | aagccagagt | 660 |
| cccagtcag | ggcatgctcc | ctggggcctc | ccaaggctgc | atccctgtct | tctgtcacca | 720 |
| ctgcttctc | ctcctcctct | tctcctcct | ccacacagca | gactgagtc | tcttccaagg | 780 |
| cacccagggc | ccctaagctg | gtggctgggc | tgacatctg | ggccagtttg | ggaggttggc | 840 |
| tgacggggac | caggcattga | gggtgagcct | gtgtcccgac | cacacaacag | ttcccagcgg | 900 |
| agctggctaa | ggaagctgtc | aagccgagcg | ctgtgcatgt | ccatgccagg | gccccaccg | 960 |
| aacctactag | ctcctcttgg | aacccggcg | gagccgcgcg | gagagggctg | ggagggccgg | 1020 |
| ccagcggcgc | cctcaggaat | tcnccgcac | tgtactagg | tcttcgagg | nnnnnnnccc | 1080 |
| cgctc | | | | | | 1085 |

<210> 7821

```

<211> 2208
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)...(2101)
<223> similar to gi4071357 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7821
gcggtggaat tcgcggaggg agcgctgacc atggctccct ggccctgaatt gggagatgcc      60
cagcccaacc ccgataagta cctcgaaggg gccgcaggct agcagcccac tgcccctgat      120
aaaagcaaag agaccaacaa aacagataac actgaggcac ctgtaaccaa gattgaactt      180
ctgccgtcct actccacggc tacactgata gatgagccca ctgaggtgga tgacccctgg      240
aacctaccca ctcttcagga ctcggggatc aagtggtcag agagagacac caaagggaaag      300
attctctgtt tcttccaagg gattgggaga ttgattttac ttctcggatt tctctacttt      360
ttcgtgtgct ccctggatat tcttagtagc gccttccagc tggttggagg aaaaatggca      420
ggacagttct tcagcaacag ctctattatg tccaaccctt tgttggggct ggtgatcggg      480
gtgctgggtg ccgtcttggg gcagagctcc agcacctcaa cgtccatcgt tgtcagcatg      540
gtgtcctctt cattgtctac tgttcgggct gccatcccca ttatcatggg ggccaacatt      600
ggaacgtcaa tcaccaacac tattgttgcg ctcatgcagg tgggagatcg gagtgagttc      660
agaagagctt ttgcaggagc cactgtccat gacttcttca actggctgtc cgtgttgggtg      720
ctcttgcccg tggaggtggc caccattac ctcgagatca taaccagct tatagtggag      780
agcttccact tcaagaatgg agaagatgcc ccagatcttc tgaaagtcac cactaagccc      840
ttcaciaaagc tcattgtcca gctggataaa aaagttatca gccaaattgc aatgaacgat      900
gaaaaagcga aaaacaagag tcttgtcaag atttggtgca aaacttttac caacaagacc      960
cagattaacg tcaactgttc ctcgactgct aactgcacct ccccttccct ctgttggacg     1020
gatggcatcc aaaactggac catgaagaat gtgacctaca aggagaacat cgccaaatgc     1080
cagcatatct ttgtgaattt ccacctcccg gatcttgctg tgggcaccat cttgtctcata     1140
ctctccctgc tggtcctctg tggttgctg atcatgattg tcaagatcct gggctctgtg     1200
ctcaaggggc aggtcgccac tgtcatcaag aagaccatca aactgattt cccctttccc     1260
tttgcatggg tgaactggta cctggccatc ctcgctcgggg caggcatgac cttcatcgta     1320
cagagcagct ctgtgttcac gtcggccttg acccccctga ttggaatcgg cgtgataacc     1380
attgagaggg cttatccact cacgctgggc tccaacatcg gcaccaccac caccgccatc     1440
ctggccgcct tagccagccc tggcaatgca ttgaggagt cactccagat cgccctgtgc     1500
cactttttct tcaacatctc cggcatcttg ctgtggtacc cgatcccgtt cactcgctg     1560
cccatccgca tggccaaggg gctgggcaac atctctgcca agtatcgctg gttcgccgtc     1620
ttctacctga tcatcttctt ctctctgatc ccgctgacgg tgtttggcct ctcgctggcc     1680
ggctggcggg tgctgggttg tgtcggggtt cccgtcgtct tcatcatcat cctgggtactg     1740
tgcttccgac tctgcagtc tcgctgcccc cgcgtcctgc cgaagaaact ccagaactgg     1800
aacttcctgc cgctgtggat gcgctcgctg aagccctggg atgccgtcgt ctccaagtgc     1860
accggtgct tccagatgcg ctgctgctgc tgcgtcccg tgtgctgccg cgcgtgctgc     1920
ttgctgtgtg gctgccccaa gtgctgccgc tgcagcaagt gctgcgagga cttggaggag     1980
gcgcaggagg ggcaggatgt ccctgtcaag gctcctgaga ctttgataa cataaccatt     2040
agcagagagg ctcagggtga ggtccctgcc tcggactcaa agaccgaatg cacggccttg     2100
taggggacgc cccagattgt cagggatggg gggatggtcc ttgagtttg catgctctcc     2160
tccctccac ttctgcacc tttcaccacc tcgaccggg aattccgg      2208

```

```

<210> 7822

```


<211> 1015
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1016)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (913)...(192)
 <223> similar to gi4929623 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7822
tttttttttt ttcatatctg catagtttta tttctttctc aattccacca gaaaaaggga      60
ttttcagaaa aaggcacagt tgtgtctcct ctaaagatgt agtctgcggt ttgggaagtg      120
ctggttcctt gaggttatct ggagcgtctg ttgtaaagaa gaaagttctt gtcttggcag      180
agcaggcaga gtttcaggct tcggcagctg cctcccgag ctaagaatgc ccagggtgcc      240
atgagcacca ggattataaa tgctgacgcc aggtttattc cataataaga acttatgaag      300
gtctgggctg acaccagcag gtgggtcagg agaacgataa ggaggatgcc ccactttttc      360
ttctcacagc catcaaaaaa tacaatgccc cagaatacat gcagcaagat aatgaccagc      420
gtcatgaaa gctgaataaa gaagaattga ggagaatctc catgaatgcc cactgtgcct      480
ggccccaagg agtcagatag ggtattcaca aaggaaaata ctccactcat gattccaaag      540
cccaagccag aaacataggc cagcagtcgc atagaggggt ctgtctcacc tgggtttata      600
ctcttcaaac cttcactggc tttttttaag agtttataat atgcaaatcg gaacatttct      660
tggatataga cagagacaaa cgctccaaag atcagcagat atttctgtgt tgggtccatct      720
ttgttgctca taatgactct tgccatgaac caaacaaggg acgaaatcag tagagacacc      780
aaccagaaga aagctccggc gatgaggaag atgatacgca acggctcggg ggcgatgggt      840
aagacataaa gggcgagcgc aggccgaag gcaatgaagg cgcagccgaa gaacacggcc      900
gcagtcatgg ccaccgcgga aaccgaccgc gggggccggt ggggacgcga gatgctcccg      960
gcgcgggcgg gggtcgggtga attccaccgc nctggactag tgatctgcga tcaaa      1015

```

<210> 7823
 <211> 2646
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2647)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2247)...(27)
 <223> similar to gi4426607 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7823

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|-------------|------|
| tttttttttt | tttaagactc | tgttatgatt | ttatttcttc | aattgttcca | atcacagttt | 60 |
| ctaatacaga | aataaaacta | ttcagcgtct | ccgttcttgc | ttcattttgt | ttcacagaga | 120 |
| tctgcatttc | tgagtttcca | ggctccaata | gcagttctgt | taagaacaga | cagccagtat | 180 |
| catcctgagc | actgaggtat | gctttccatg | gccgagaccc | agccctactc | attgcgatgg | 240 |
| tctggatggt | cactacttga | agagccatct | ggaggggtgc | aggatggaat | tctccccgcc | 300 |
| aaggcaacac | ttgctgatga | gcaactttaa | ggctaagcca | agttttctca | aaataatcag | 360 |
| cagtaagctg | gcgattgggg | actagcatga | gggctccaga | atcagggagt | tcttgtagcc | 420 |
| tctccttggt | ctcttcagga | atcaagggtc | ctgatgcggc | aaaggatgaa | gttttaggaa | 480 |
| gctctgggtc | acaacgctct | gccccctggc | atttagagat | agttgccag | tgggctttgc | 540 |
| catacactgg | caccagtgtg | ttgaagtctg | aggcccagct | attcacaggt | ctttctgcgc | 600 |
| gatcctccaa | aagtccaaga | gtagggctcag | atttagggct | acacagaatc | cgcttaactt | 660 |
| catcaatgcc | aactaagagg | aggcgataat | agaagagacc | tcgggtcccg | acagccatat | 720 |
| ctttttcttc | ctctatgcag | taatacaaca | aacgtcctag | catgtcctgg | cactcagcag | 780 |
| gtcgggagag | gaaaaggcgc | agcaaagcag | tgagcagctc | catcttaaca | gctggaaatg | 840 |
| tttccgactt | cacattctca | acaaagtcct | ctaacacata | aggagcatta | ggaattcttt | 900 |
| ccccatggac | accaagtagc | caaataagtg | cttgcttccc | ctcactatct | tgaatgttct | 960 |
| cttcacagcc | gggcagggcc | tgacatacag | cttcagtaca | ctgaggacac | aaccaaacca | 1020 |
| ggtctcggaa | agtctgcacc | accactgtgg | taatgtgtct | ttgtcgaaga | cccagcaact | 1080 |
| ctgttaaaat | ctgaacacat | tgatctgtgt | aagtcctggc | aatgccacct | atggcaaaga | 1140 |
| tggcagcctg | tgcaaagtc | gcagacacat | ccgtgcagta | ccctcgaagc | tcctctagca | 1200 |
| cctgctgcac | attctcatcg | ttcaccagtt | cacacagcac | ctccactttc | tgtagtttga | 1260 |
| tgtagtgggg | ctccgagtag | gagcaaaaaa | actttttgta | gtggctgcta | aagtgaacctg | 1320 |
| gtaaaactatg | caagatctgg | cgtacatgac | aaagagcaac | aaaacagagc | tcacggctct | 1380 |
| ctgaagaaca | ggcagctagc | aaaggtcctc | tgaccgcac | aaggacatca | gtttgtacgt | 1440 |
| ggggaaacat | ttttgccaaag | atcagaaaaa | gtttggtagc | tcccatcacc | acacctgggc | 1500 |
| tactgctctt | gaggaaacta | tccaacagat | tgagaatgtc | aaatagtctt | tcctcactgc | 1560 |
| gggggttggt | gcgtagcaga | aagttcaata | cttcagcctg | gccccattgg | tccagttttg | 1620 |
| acattcgatt | taagagatgg | tgagcaatgg | gcttattgat | gacaacgcct | ccttcctggt | 1680 |
| tcagaatttc | ctctagagac | ctcaagcagt | tcacaactac | aattggatcc | tggtcacgca | 1740 |
| gcaaactgta | taattcattt | accagggcac | catctacttc | agagtctcca | tgaagattat | 1800 |
| gcatcttggc | acatccaagg | actaccactc | tcctgacata | tgaagcctta | tcccgcagac | 1860 |
| cattgagaat | aggctgttgt | atatactcct | gcacaccagg | catcctgagg | ctacacatgc | 1920 |
| tccgtaacgc | cagccctcgc | accattggat | tggggctctga | gcagtctttg | cacagcgtat | 1980 |
| tgatggccag | gagagccaga | tctggtttca | ggggagcata | tgtgcacatg | tacagataaa | 2040 |
| ccaacttctt | ctggacaata | tctacagtgg | cactggcctt | caccatttcc | ataaaaacac | 2100 |
| cagacatgtc | caagccttga | gtcatgtacc | taatcactcg | ctggatgaca | ttccggtagc | 2160 |
| gcagcctatc | agcttgaatg | tgaggattgc | acagagcctt | cttcagctcc | ttcaccacgt | 2220 |
| cctcggagcc | aagggtacggc | atcttcctaa | gagtcacagg | gcagctccca | cagctcccac | 2280 |
| ggtaactcga | gggctccttc | tcgtcctgat | gtgggagcca | tcggccggca | ggcggttcgc | 2340 |
| cccgccaca | gatcgctccc | gctaactteta | ggtcctccgc | cggatttcca | gcgccgcgtc | 2400 |
| cgactgaccg | cagacccttc | cctctccagt | tccagcctta | attccccctc | cacgccgttc | 2460 |
| tcatcgcgga | taggccaat | cttgctttct | gcggaagtcc | cgcccccttg | tcaagagacc | 2520 |
| aaacagaaga | gcgctgccgg | tctccccgcg | agcgagcgct | aagcgtagtc | ccgactccga | 2580 |
| ccttaggatg | cccttcacga | aatcgtcgac | ccgggacatt | ncnmacggtc | ctgcagtggg | 2640 |
| aggcat | | | | | | 2646 |

<210> 7824

<211> 853

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (493)...(150)

<223> similar to gi286065 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7824

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|-----|
| tttttttttt | ttttgttggt | gacatgttga | atattattaa | cccattttac | agaggggaag | 60 |
| caaggctcag | agaaagttaa | aaagggaccc | aaggtcaggg | gcagaaatgg | gaggcagagg | 120 |
| ggaggcaccc | atctcacacc | ccacccttag | ggactaaagc | cgtagccaac | agagcagtag | 180 |
| taatccgcgt | cgtcttcagg | ctgcacggga | ctaattggtga | ggacacaggc | attgtgggcc | 240 |
| tcataccttg | ctgccgagaa | tcgatcgggg | atgtcagcag | gccggtggtg | atcctcctcc | 300 |
| gagcggtagt | agaggagata | tcgaggggca | ctgcctgccc | gctgctggtg | ccaggacaca | 360 |
| ccgtagtccc | tgatggtgac | gtgctggggg | ctgagcgtgc | aggagagttg | agccacttgg | 420 |
| cctgggaaga | ccagcagtcg | atccagctgg | gccaggactg | tctgggaaac | tgcgagacac | 480 |
| aaaccactc | agcctgagcc | ccttcctctc | caccctgcc | ctgtgaaggc | ttggttggac | 540 |
| tccatggaga | ctcccagtc | caaagggctc | atagcccagt | gctatgggat | tagcaatgaa | 600 |
| cggggtgcag | gaggcctggt | tctgtgtgac | ttaggggtgc | ctatctggac | ctccatctcc | 660 |
| ctttgtgagt | gaggggtttg | gagttagccc | ccaaatctcc | attagtgcca | tatcctcaag | 720 |
| gatctgtggt | cagttaaagg | cccagagctc | agaaggttgg | actagcagcc | tctaggtccc | 780 |
| tctgctaccc | accacgttt | ctctgcagaa | ctgcacgaat | tccgccacgc | tggtctaggg | 840 |
| tctcgattcc | gct | | | | | 853 |

<210> 7825

<211> 1092

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (351)...(900)

<223> similar to gil808620 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7825

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttcgtctgg | agccgagcgc | cgccgccgaa | gcttcctct | cgctcgctcg | cgcagcggcg | 60 |
| gcagcagagg | tcgcgcacag | atgcgggtta | gactggcggg | gggaggaggc | ggaggagggg | 120 |
| aggaagctgc | atgcatgaga | cccacagact | cttgcaagct | ggatgccctc | tgtggatgaa | 180 |
| agatgtatca | tggaatgaac | ccgagcaatg | gagatggatt | tctagagcag | cagcagcagc | 240 |
| agcagcaacc | tcagtcccc | cagagactct | tggccgtgat | cctgtggttt | cagctggcgc | 300 |
| tgtgcttcgg | ccctgcacag | ctcacgggcg | ggttcgatga | ccttcaagtg | tgtgctgacc | 360 |
| ccggcattcc | cgagaatggc | ttcaggaccc | ccagcggagg | ggttttcttt | gaaggctctg | 420 |
| tagcccgatt | tcactgccaa | gacggattca | agctgaaggg | cgctacaaag | agactgtggt | 480 |
| tgaagcattt | taatggaacc | ctaggctgga | tcccaagtga | taattccatc | tgtgtgcaag | 540 |
| aagattgccc | tatccctcaa | atcgaagatg | ctgagattca | taacaagaca | tatagacatg | 600 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| gagagaagct | aatcatcact | tgtcatgaag | gattcaagat | ccggtacccc | gacctacaca | 660 |
| atatggtttc | attatgtcgc | gatgatggaa | cgtggaataa | tctgcccac | tgtcaaggct | 720 |
| gcctgagacc | tctagcctct | tctaattggc | atgtaaacad | ctctgagctc | cagacctcct | 780 |
| tcccggtggg | gactgtgac | tcctatcgct | gctttcccg | atttaaactt | gatgggtctg | 840 |
| cgtatcttga | gtgcttacaa | aaccttatct | ggcgtccag | cccaccccg | tgccttgctc | 900 |
| tggaaggagg | aagacctgaa | catcttttcc | ctgtccttta | tttccacac | atcaggttgg | 960 |
| cagctgctgt | gctttatttt | tgcctgtgt | taaagtcctc | tcccaccca | gcacctacct | 1020 |
| gttctcaac | tagcaccccc | acatctctgt | tctaaatgtt | gttctcctgc | aataaaggac | 1080 |
| gtttgaatta | aa | | | | | 1092 |

<210> 7826

<211> 1534

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1396)...(963)

<223> similar to gi2344898 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|------|
| <400> 7826 | | | | | | |
| tctccaaggt | catcaatatt | tcatatcttt | gttttagtgcc | tttaaagaat | aaatatcagc | 60 |
| attacttttt | aaatggtttt | attttatgta | caaataatga | acatacgttg | taccataaaa | 120 |
| ttctactttc | caaaaacagg | agctttttta | aagaaaacca | cataacaact | tttaaaaggc | 180 |
| gctgggattc | ctctgcttct | agatcaatgc | tgggctagaa | aagtaaagtc | tgttctatca | 240 |
| ggaatcacaa | gttggaactg | agtattctcc | aaagtggaaa | ttctagagt | tagtgctact | 300 |
| ccaggcaaa | attattcagt | tctcatcccc | agcatccaca | actacctatc | agaagggtta | 360 |
| aaccagggtc | aaacagtcca | gcataattag | gcttcatcaa | acaatgtcat | tatgctcttc | 420 |
| taagatgcaa | ataaaccaaa | acaggaaata | ctaaaataaa | aatatctgac | actgccatac | 480 |
| aaattgttag | ttcctttttg | tatccccctt | tctataacat | taacaaagg | aatattttac | 540 |
| tgcaaagaat | attttatttt | atacatcact | agccatgaat | ttttgccatt | agttactata | 600 |
| caaagtctgc | ctagtgccat | tatccaaata | gcacaaccat | tttacgtcca | caattcactt | 660 |
| ctatagttac | aagtagaatt | ttcatgattt | acttaagtac | atctatcagt | aaagatttaa | 720 |
| cactgagatg | caatctaaca | tccgtaatat | ctgatattat | gtagatggca | atgcaggaaa | 780 |
| gatgtctttt | aatcgctttt | catttaagt | accttatgta | aaaaataaaa | taatttagca | 840 |
| gttccaagta | tccaaagggc | attttcaa | gtacataaaa | gaaatgggta | cagagatttt | 900 |
| taaggagcat | cttccatgtc | cacatcctct | tgtactgtct | gtaccatttt | ctcttccaac | 960 |
| tgtttccctt | tgcctgcaag | aggggctcgg | ataagatgga | tgttttgctt | gacttctttg | 1020 |
| atatcctgaa | ctttctgtag | ctctttat | ttcttcaatc | tgttcattat | aaatttagct | 1080 |
| tggcgcttct | gtttgatttc | ttcaactctc | ttcatcgcat | caatagtttt | attccatagc | 1140 |
| tctcgctgg | atttgatagg | ttcatttcta | cgtttttcaa | attcaaata | attatccact | 1200 |
| gtaagctctt | taccagctgc | tttccggaat | gctttggtcc | acctaacttt | gcgaggattg | 1260 |
| cgcttctttt | taaagttttt | atgacattta | gatttgcaaa | atctgaacac | cttgcaatcg | 1320 |
| ttgcggacga | acatcatgcc | gtgtccagga | tagatgggcc | ccgaacagaa | ataacacttt | 1380 |
| tgcatacgca | tgttgaaccc | gcgtgtaacc | ccaccaaaca | aacgccaagc | ttgagaggaa | 1440 |
| gtgatgcaac | cccgctaccg | gaagttacct | tcttccccct | tccccgaccg | gaaaaaggca | 1500 |
| agcgtccttc | gttctcgcgg | gtctgttaga | ccag | | | 1534 |

<210> 7827
 <211> 2222
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1996)...(1529)
 <223> similar to gi849238 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7827
ccatagtatc agttcaagct aagaaagcct taagaattca ataactcaaa atctctttga      60
gatttaaagt taaaaagtaa tatgtttcta ataatttcta atgtgcagga ttaatgacaa      120
ctgtattttg cattggcaaa ttatctcagc cagaagagat tcaaatgatt ttcgtcaatg      180
ccagtttata aactagcagc acatgtcaat gccaaagcttg tgaatggatt ggctgagaaa      240
aattatatga gttagaaggg atctaagtgc tatactgggc actgattcta tttcacaaaa      300
gctaccattt ttaaaagctg aaaatgtaat tgggtgtgac aaaaacatgt taagttcaat      360
tactctgtat agctaaatat agaaaattgg ttaatgttta aagcaacttc ttatttggtta      420
agaagataat taaaaatagt taaaactgaa caattagcta tacttttata ttattaaaaat      480
ccaatgaatt taacaaatga aaccacacagg aaaagagatg atataattca aggcatagat      540
ttgacatgtc agaatacggc aaaaacaata aagatagcat cagtaaaaaca gttgtaaaaat      600
aagtaaacia ttttcaagtg tgcaaaaacta gtcaggaata aaagtgtctat gtgtgggatac      660
ctgggttttc aaatatattg ttcaaaaact ttcagctgga tgggtggaaa aactagaaaag      720
tattatataa gtaaaaattt taaagaatta tataaaaacc tactttatta tcttacatta      780
tgtccttggt atgtcacttg ctgaatctga ggcctattta attaccagat acaacacaaa      840
aggaggtaaa cacagtacat cacaaaggct gatttatcct gaaccgtaaa aaggctcctt      900
ttcaagggtat acctgtggat ttgtgtttca tcttatatcc tcaggcacct ctaggctggt      960
gatgaatttg aaaaccggac aaccatgatt ttctataatt tctaataac atatttagta      1020
catcttgagc aactgccctt taggtaggtc aatatttggg aagcaattgt tacaggaaat      1080
aaaaacaatt taaattcatg aaagtaaacc ccactactgc cacaatttaa ataatcattt      1140
taatgtgtaa atcctgaata tatcatgtta gaagatgaag tcgatgtatt tagcataatc      1200
tgtcttgagg tatttgacgt gtatgtgact aaaaatacac ttgtggctgt ttcttcactt      1260
tgtatttttag cgacccgtac cgcacctctt tgccgacctt ggtgggtttc acagatttca      1320
tgctttgcga tcttcgaggc ctttgtgtg ttaacatctc attatctgaa tatggccctt      1380
ctgcttcttc atctgttttc tcatctccgt ctttcagtgg aattccataa cctgctgatt      1440
cactgggggc tggtttactt ttcttttttg cttctggtag aggttggtat ggtctttgtc      1500
ccacaggctc atcaccttgg atagttgtta aatcatgcat actgaagctt cttaaagctt      1560
cagttattgc tccttggttc tttactgctg cagtaacagc agcagtagct gcaagggtta      1620
aaccttgccg tccaaagttt accatggttt catagcctcg ttcctttgct tgtacaatat      1680
aatcatcaat ctccctttcc tttgaagaaa gaagtggatg aaggaatttt ctatatatta      1740
aacttgctcc tttggtatag ggagaaagca gccatatgac aaaagcaatc ttcagctcat      1800
agtacagggg aaaccaagca actgtttgat cggctactgt ttcaatcaca gtatagagag      1860
caaaaacaat ccagtacatc atccatcgaa catattcctt cactgttttt gttttcacag      1920
ctttgtatga ataatatgca ggataaagca ttccaaacac cagcaccacg gctctggaga      1980
tcatccagga caccatcttc acgggggctt gggccccacg tccgtgggtg tggatgtggc      2040
tctatcgctc acacggagga aggagggtgg gagggtgggt cagaaccac cgcgccaggg      2100
tgagaagccc aaaagccata ggtggccacc tacgatgaca ccagaaaaca aatgaggctg      2160
cttcttcttg gatgccagc tccaggcttc tgtgaggagg agagactgtt cgggtgacga      2220
aa
  
```

<210> 7828
 <211> 1247
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (696)...(433)
 <223> similar to gil085026 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7828
tttcattcct tttggctact agtaaattccc aaattgcata tgagggttccc atgggtgagg      60
aggcagaggg cgggcctgtg ccatgtccca agccacaagg gaacaggcct gtgggctttt      120
cccaacaagc aggtcagtg ccagcctctg tgtcagcctc cagggcacgc caaccttctc      180
atgggtgcccc aagccccacc ccaatgcaca cataggaagt ctccaggctg cttgggcaga      240
ggcacaatca ttttagataa aaaaaaattg aacaaagaga ccctcttgcg agaggtgaga      300
tgaggccctg ccatgcaaag gagtcccagc agaggaggaa gaattccatc ctggagttca      360
agtttctgtg cagagacagg acctggggac agagaacggg cctccacca atttcagctg      420
gtctgtcctc atcagctttg ggctgagcct ggggtgatga gaggtggagt ctcccctgga      480
tggtgaccgg acttctggcc aaacttgcat ttgcattttg cactcatgac gatgatgatg      540
cccatggcgc acagaacccc agcgcagatg agcccgccaa cctggagggt gtgccagtca      600
tagtagaaag gactgttttt atcttctagg tcattggcgt ccaggacagg aaagcctgcc      660
aggaacacaa gcaggccag ggtcaccttc tgcattgtcag agcgtggcc tgtgtggttc      720
accaggctga gcagagggtc cgggagaaat cgggtgccca ggcggagtcc tgcgtttatc      780
cgaagctgcc acgccctaag caaacctcac ttcttttctc tagatgatgt gttttgcctg      840
gtggaaggat tgctggcagt tgtggagaac ttaaagtccc cttccaggcc acatcttgcc      900
gctggtacaa tttcaggatc agcagaagat gctagcgtga ccaaagtcag gagatggggc      960
aggggtggat atgagggagc ggctggaaca gcaggaggag gtcagggtgg ggactctggg     1020
accttagtcc tggtcataac ctgctccctg ccctggggag aatgagaact gtctgccagg     1080
caccaggctg cagtttccta gccaggctct ttccgtgggt gctgggagcc agacgcctgg     1140
gtctacagag tgggtgctgg tgggggcggc tgccctcctag tccacataag gccccctgca     1200
ctgtacaagc ctccctaccc ctttccctccc ctgtctcctg cacgaaa                      1247

```

<210> 7829
 <211> 693
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (300)...(447)
 <223> similar to gi3094014 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7829
ggctgcttct gccccaggag ggagaaacac cgactccctg gctttggcgc cagaagcctg      60
gatcggctgc caggtgactt ctatttctat ctggttctcg tctggggggg ccctggccgg      120
gcagccccc aacacttctc ctgccctgaa acacggctct agccaacctg ctccgctgct      180
tcacctgca cctgtctgc gggggctgca cggcgccagc ccctccagcc caccagggca      240
ttgtcctcca gcccgcatg cccagctgtg acccgggtcc gggccctgcc tgccctccca      300
ccaagacttt ccgcagctat ctgccccgct gtcaccgcac ttacagctgt gtccactgcc      360
gtgcacacct ggccaaacac gatgagctta tttccaagtc cttccaaggg agccatggcc      420
gagcctacct gtttaactcc gtgtgagtct acctctttcc ttgtgcgtgt gcttgtgctt      480
gtgtgtgagt gagtaattct cctctgtgga gaaagggggg aatccatcag gtgatcttgt      540
gccttcagtc tttgcctccc cttttgcaaa gaggggtctca atctgaagtt ctcacatggg      600
gagccggggg agaattgaaa tcataacggt ggaaaaagaa ggcccaggct ctatacttac      660
aggggtggat tatcaaaggc aggggcctgc cac                                     693

```

<210> 7830

<211> 1553

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1342)...(242)

<223> similar to gi4240132 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7830
tttttttttt ttccatggca aaacagccct ttatcaagag ttgcaggata aaaatagtct      60
ttgcagccag acatccctcc aggcattgtct tctgacctga gagggggccag tgtcctgtac      120
agtagaagcc ggggtttccg tgctgcaccc gcagcaccag ggcacgcacc gtggggaggc      180
agccttgggc tgtgcccgcg acagggcccc tgcatgtgta gcaacagcct cacatgagca      240
ggcagcacgg cctcctctcc acgggagcct ccaccgcggg ggctgtgagc ttgagcaggg      300
gtgggtcccc gctgcctcg aagccacagt caggctgggg ggtcaccgtg tcaccaggca      360
ggccaggctc agctgtctca gggctctcgg gccctcagg tgggggtcgc tgcagcttgg      420
cagcagctcg ctggcgcttc aggtcagcca ggggtgtggtg ggccttgctg tggaccaggg      480
tgtggggggg ggtgctgtcc agggggctca gctggtagga gacactccgg tctagtcgct      540
tggagtatag atgccgcact ggggagcccc ctactcggcc attgtgcggc ctgaccactt      600
cggggttgtc ctctccggg ggcgggcgcc tgagctctgc gctgtctggt cggtcacgt      660
tgtcctcggg cggtccggg ctgggtggcg gcggctgttg ccacacgatg gcctcctggg      720
cgtgctgctt gcggtacagg tcggtgcgct ggggttaggt caccgcctc accaccttcc      780
cgcggtgctc ggcgctggag gtgcggcggc gcagcaagga gcgctggcgg ctctgggcgc      840
gcaggagggc gtcgtgcttg tgcttcagct ccagcagctt ggcccgacc tctcgtccc      900
cgcacacatc aaggggcgtc tcgtccatca gggactttgc gttcaggctg gcccgtgcg      960
ccacgagcag ctccaccagg ggcacctggc cccagtaggc cgcggcgtgc agcggtccc      1020
agccgtcttg gtccttagcg ctccagctgg ctccgtgttc cagcagcagg gcagccgcct      1080
cgctgaaccc gttggcggct gcgacgtgca gcagcgtggc cccgtggtcc aggggggcat      1140
ggaggtctgc cccggcctgc agccggctcc ggatgtcgtc cagcatgcgc agttctggca      1200
cggcccgggc ggctcgtat ctgtcctggg tgatgccacg gtcggccatg gcagtctcca      1260
ggcagtcag cgtctgctca tcatcacaca ggtcataggg catgttcccg tcggtgttga      1320

```

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|------|
| ccgccaggag | attggcgcca | ctggcgatga | gcagctccac | caggtgcagg | tggccgcagg | 1380 |
| tggccgcagc | atgcagaggc | gtccagcact | cactgtcaca | ggcattgatg | ttggccccag | 1440 |
| cctccaggag | ctgctgcacc | atctctcgga | aatcatcaat | gcagcactgg | tgcagggccg | 1500 |
| tcaggccgctc | ctcgttggcc | aagtcagggc | tgaccccaact | cccaaggaac | tcc | 1553 |

<210> 7831
 <211> 1210
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (220)...(452)
 <223> similar to gi2969915 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|------------|-------------|------------|-------------|------------|-------------|------|
| <400> 7831 | | | | | | |
| tgacatcatt | actccatgct | tggcaccagg | aaggaagttt | gaaaatgtaa | tggggacaaa | 60 |
| agccgtgcgt | gacttcggta | taccagact | tcattcagat | ttcttaaaaa | tctgctaggg | 120 |
| atgtctgttg | accagacgtt | ggaaaacctt | tgggtgcagg | gagagtagag | gagaagttct | 180 |
| gattttcata | accctggttt | cttatctagg | cctgtttcct | tgcgtgaaaa | catacatcac | 240 |
| caagtaattt | gtagtacaaa | gaacaagaga | agaaaacctta | agaagatagc | ttatttgtta | 300 |
| tcctcccttt | taatgactaa | ccttaatcca | aatgaatcca | ctgagaacca | gcctgtggat | 360 |
| gcctactggg | ctttcacccct | ggaccaggaa | tttttgacgt | atgcctgtgt | tgaaggcact | 420 |
| ggatgcttgt | tttgtggaag | acatgttcat | tgaggtaagt | ggctcatcgc | ttggtgtgtt | 480 |
| tggctctctt | tggcattatg | catagccaag | gtcccagatt | ttggccgctc | tcagtgggtg | 540 |
| ttcttgcatc | agaactttta | aaaaattaac | actaccttaa | cactgagact | gtcaggtatt | 600 |
| tgtcagtatt | tatttctaata | ttcctacttt | aaatcttagg | agacaaagtg | tttctccaac | 660 |
| tggacgctga | tttgaaacac | aactagaatg | ctacaggtct | ctcttccagt | atgcagctgc | 720 |
| tgtacctgaa | aatttttccc | cataatttcc | catctttagg | gtatgtccct | gttatcaggt | 780 |
| gtggaattaa | tgtgggtaaa | tttccatttc | agttgaattt | cctgtcatcc | ccagcaaaac | 840 |
| ctgtgaatcc | ttcttcaaag | catagaggag | gcagagacaa | gtcttaaacc | ggcttccctt | 900 |
| cgcttttacc | aggtagcctg | gttcagtccc | agctgggtcc | tgaaggagca | cagtactaga | 960 |
| gcctgagtca | tgttgactat | taataaagtg | cattaagttt | gggtcaggca | aagtgggtggc | 1020 |
| aaaagttcat | gatgcaggac | agaggaaaca | agtggacaag | acaagtggag | cccagctctg | 1080 |
| ttcgcatggg | aggccggggc | atgctggcat | gggtgtgggt | ggccgagttc | tcatagctag | 1140 |
| agaaaggccg | tgtaggtata | agtgtctaat | gtttcatctg | tctgaaagac | cagctatttg | 1200 |
| ataatcttcc | | | | | | 1210 |

<210> 7832
 <211> 2701
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (142)...(527)

<223> similar to gi3876139 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7832

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|------|
| tttcgtgtgg | caccatgagc | agctcaggtg | gggcgcccgg | ggcgtccgcc | agctctgcgc | 60 |
| cgcccgcgca | ggaagagggc | atgacgtggt | ggtagcgtg | gctgtgtcgc | ctgtctgggg | 120 |
| tgctgggggc | agtcttcac | tcccaaggcc | gccttcccag | cgggctccgc | ctgcctccct | 180 |
| gctgactcct | gcccgtgtct | cttgtttcaa | gcttgccgca | tctctggcct | cttcaactgc | 240 |
| atcaccatcc | accctctgaa | catcgccggc | ggcgtgtgga | tgatcatgaa | tgccttcac | 300 |
| ttgttgctgt | gtgaggcgcc | cttctgctgc | cagttcatcg | agtttgcaaa | cacagtggcg | 360 |
| gagaaggtgg | accggctgcg | ctcctggcag | aaggctgtct | tctactgcgg | gatggcggtc | 420 |
| gttcccatcg | tcatcagcct | gacctgacc | acgctgctgg | gcaacgccat | cgcctttgct | 480 |
| acgggggtgc | tgtacggact | ctctgctctg | ggcaaaaagg | gcgatgcgat | ctcctatgcc | 540 |
| aggatccagc | agcagaggca | gcaggcggat | gaggagaagc | tcgcggagac | cctggagggg | 600 |
| gagctgtgaa | gggctgggcg | cccctccctc | cctgtccctc | cttctggctc | tgtgtgggtc | 660 |
| caagtgaggc | ctggactgtc | cacgctgagg | cacagcctgg | agaggggcct | ttgcacgtgt | 720 |
| ccctacacct | ggagtccctc | gctcctttct | ccagactggc | ttaagccagg | agccactggc | 780 |
| tgctggtgtg | agggctctggg | ctgctggact | tgaggcagag | cctgcagcag | ctgtctggac | 840 |
| actaccacgc | cctactcctc | tgctgggtgg | gtctgcagat | ctcacaccac | agacagggct | 900 |
| gcctgtgacc | tgctgtgacc | tgggagcagc | ttcccctgga | gatgctggtc | ctggcttgag | 960 |
| gggaggggca | agtgggaccc | tgccacctgg | gcactgagca | gagggacctc | ccccagctct | 1020 |
| cttcagcagg | ggagccccag | ggcctgggac | agcctgccgc | tgccagcaac | ctcccactgc | 1080 |
| tgctaggggt | gcagcgccca | ctgtcacctc | gccttctgaa | gaagcccaca | gggctcctaa | 1140 |
| ggtgcacccc | ggtacctgga | actgcagcct | tggcagtgac | tggacagctg | ggtgggggat | 1200 |
| gctccctgct | ggccctggga | accttgga | ggccacctca | aggccctcctg | gctgcccctc | 1260 |
| ctccctgggc | ctgctggggc | ccctagggtc | tgcccatcac | ccccgcctcc | tgtctggcctt | 1320 |
| ggtgctaagg | aagtggggag | agcaggctct | ccctggcacc | gaggggtgcc | acctctctcc | 1380 |
| tggtgtggcc | ccgtcaacat | cagccacagc | ccagcccat | tagtgggtta | gtgggtctga | 1440 |
| cctcagcccc | actcaggtgc | tctgtctggc | ctgcccaagc | cctgcctcctc | gggagcttct | 1500 |
| gccttttaag | aactgggcag | aggccacagt | cacctcccca | cacagagctg | tccccactgc | 1560 |
| cctgggtgcc | aggctgtccg | gagccaggcc | taccagggga | ggatgcagag | agctgggtgc | 1620 |
| caggatgtgc | acccccatat | tccctctgcc | ctgtggcctc | agcccgtgg | cctctctgac | 1680 |
| cgtgaggctg | gctctcagcc | atcgggcagg | tgcctggctg | ggcctggctt | agcccagggtg | 1740 |
| gggcttgcca | gaagcgggcg | ggtgtggaag | atattccatc | tggggccaac | cccaggctgg | 1800 |
| gcctgcgctg | agcttctgga | gcgcaggtac | tgggtcttgc | taagtgaact | gtttcccagg | 1860 |
| aacacctctc | gggcccctct | gcgtctgagg | ccgggagtg | catctgaggc | tgggagtggc | 1920 |
| atctgaggcc | aggagtggag | gctggtgggc | tgggcgtggg | gttttctggg | ccctgcagta | 1980 |
| actgccttgg | ggacttgggtg | ggctcctggg | tcagcagcat | cccacccctg | ggagtctggc | 2040 |
| cagctgagcc | caggggtggca | ggggcattat | agcctggtgg | acatgtgcct | tcaggggtcc | 2100 |
| tccggggcca | ccttctctag | gccagtgtctg | ggttcaaagg | gctgtgtgtg | tgtgtgtgtg | 2160 |
| tgtgtgtgta | tgtatatgtg | tgtgggtgca | cacatctgtc | ccatgtatgc | agtgagacct | 2220 |
| gtgtacctcc | cacaaggagc | aagggtcttg | cccgcctctc | gctcattcct | acccatgtag | 2280 |
| tgggaccccc | ggcccccttc | tgcctggctt | gcctgcttgt | gccctttcca | gaggggtctc | 2340 |
| actgacagcc | agagacagca | ggagaagggt | tggctgtgga | tcaaggaagg | ctgcccctgt | 2400 |
| accctgtggg | gaaatgggtg | gtgcatggct | ggatgcagag | gtggaaggcc | ctgggccaca | 2460 |
| ggcgagagt | ggcgtgtcac | ctgtcccagg | ttcccagcaa | gtctgcagct | gtgcagtcct | 2520 |
| ggggctccctg | accctgtcgc | ccagggggcg | tgtgttccag | caggggcctc | gccttgcaag | 2580 |
| gaacgtctct | tccggcggtc | gggcccgtcc | tgcctggtct | gggctgtgtg | tggcgccctt | 2640 |
| tcctccttgt | ttgttctctc | gtgttctgtg | tgcgtcttaa | gcaataaagc | gtggcctgtg | 2700 |
| c | | | | | | 2701 |

<210> 7833
 <211> 1881
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (18)...(675)
 <223> similar to gi2959874 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7833
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ccctgctccg  ggtcgcgctcc tgggtgttct ccategccgt ctteggggccc atcgtcaacg     120
agggctacgt  gaacaccgac agcggccccg agctgcgctg cgtgttcaac gggaaacgcgg     180
gcgcctgccg  cttcggcgtc gcgctggggc tcggagcctt cctcgccctgc gccgccttcc     240
tgctgctcga  tgtgcgcttc cagcaaatca gcagcgctccg cgaccgcccg cgcgcggtgt     300
tgctggacct  gggcttctca ggactctggt ccttcctgtg gttcgtgggc ttctgcttcc     360
tcaccaatca  gtggcagcgc acggcgccag ggccggccac gacgcaggcg ggggacgcgg     420
cgcgggccgc  catcgccctc agcttcttct ccatcctcag ctgggtggcg ctaccgtga      480
aggccctgca  gcggttccgc ctgggcaccc acatgtcact cttegccacc gaacagctga     540
gcaccggggc  gagccaggcc taccgccgct atccgggtggg cagcggcgtg gagggcaccg     600
agacctacca  gagcccgccc ttcaccgaga ccctggacac cagccccaaa gggtagcagg     660
tgcccgccct  ctagecggctg gcaggcacag accagggtc caaggccacc ccaccaacgc     720
aggccccagg  gtctccggga cctcccttgg gtccttccag ctcagtgccg cggacagagt     780
aggtggccgc  tttgcgccat ccggggccaa gaggggggtg acccgcggtg ctgggctgcc     840
cctgccaagt  tccccagtc cctcagcacc tggccccagg actgagggtc tgagaagggg     900
atagcactgc  ccaggacgtg tgtccctagc ctggaatgga ctggcctggg gaaggcttcc     960
ccctcttggg  ccacacctgc tcaactctggg gttgggggtc cagctgccct ctacgatcag    1020
gtgcaggggc  tgcccaggac aaagcggggg caggggaaag acaccacct cgccccaga    1080
ctggggatcc  tggccactgt tcccattcca tgtccctgtg ggtagtgact gtctcgttcc    1140
tgtcatgggg  gggcgtcccc tcggagacca ctctccactt tctctcacag gctgctagaa    1200
cagcccagcc  ctgtcagtgt tgtgatcatg gtccagttct cgggtttcac ctctagtac    1260
tccacaagct  gtcctctctc ctgtggcccc ggccctgcc caggtgtggg tggttctggc    1320
caggaaggca  caaggtagct gtgggccaag acaccagccc tgcctagcc cttcagtaag    1380
accttgccag  gagaggagaa ggatgcctgg gtgccaggca agacaagccc ctcagcagga    1440
gagaggccca  gaggtccag ctggccaccg tgccccacaa gatggcccct gtgtggttcc    1500
ctttaccttg  gcttcctggc ccagtccttg cctctccacc tgcaccctgc ttctggccc    1560
agtcccagg  tggagtcctt ctgcatagct gactactcat gcattgctca aagctggctt    1620
ttcacattaa  gtcaacacca aacgtgggtt ccacatttca tcagacagac acctccctct    1680
ggagatgcag  ttgagtgaca acctgtttac attgtagcct agaccgaatt ctgtgtggat    1740
atttaagtga  acatgtttac aatttttgta tatatcactc tctccctctc ctgaaagacc    1800
agagattgtg  tattttcagt gtcccattgt ccgactgcac cttctttaca ataaagactg    1860
taactgagct  gaaaaaaaaa a                                     1881

```

<210> 7834
 <211> 1802
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1803)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1510)...(1445)

<223> similar to gi4092850 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7834

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|------|
| tttttttttt | ttgtacatt | ttacttttatt | ttgttgtaag | gaaaaccaat | tgactaagtt | 60 |
| gtccccaaaa | tgtagtggt | cactgatcaa | gaaggaaatg | aggtcagaag | gcaaactttt | 120 |
| cacttcttct | caaacataaa | ttgcaagtat | cacagaaaat | tgtaacaaca | catgcaacac | 180 |
| gggatggctt | tcaacacaca | gagagcctaa | gcaagaagag | tgagtactga | aggctctacag | 240 |
| aggtcagact | gggagcacta | ccacaggaag | tttgaatcta | tccacgcagc | tctttcctcc | 300 |
| cacagtccag | gctcaacacc | tcttcctatt | ccaaggtggc | ttatccatat | gcagaaatcc | 360 |
| aggctgttcc | atatacatta | atacttgccc | agctgtgttt | cacgaggcat | ctccataagc | 420 |
| caagccccga | ctcaaattct | gtacaggaag | ttcccgttgc | tgtcaaagaa | ctctcggccc | 480 |
| ctctgcacta | ctttgctgct | gaagttatct | ggctcctctg | ccttcaactc | ctccagcttc | 540 |
| tgaccacttg | gcaacgcacc | actgccagtt | cctctggggc | tctcagaatc | actggagtac | 600 |
| ttctgcagct | ctcttggtatg | acctaggggt | gcagcaacag | gcacaaagct | ctcctccagg | 660 |
| tcttgatttt | ctttatttct | tcccttcctt | ctccttggtg | tatttgtcct | gtgagtgtct | 720 |
| gactctatca | ctttcaaagc | tgtgctgtga | tttgggtcct | tagatgaggc | ttcatgccct | 780 |
| ggcataagca | aagagcctga | tacagagtgg | cctgcaggga | gcagctttga | ggtattttcca | 840 |
| gagccccgga | ggtgctgcag | cgagtgggca | agcccagctt | tcttaaggac | tttttgatcc | 900 |
| tgcttcagct | tctgctccaa | tgtgggtaaa | aacttgcttt | ttaaaaactct | tcggatcaca | 960 |
| tcagtgtctga | catcaaagcc | ttcagccaac | ctgggaactg | accaggactc | tggaaattcc | 1020 |
| tcatgtaaat | accgtatctg | ctccatggct | tcccacgtca | gggtcctggg | cggggcacca | 1080 |
| ggcgctcca | tttgctcccg | aattttctgg | aatcggattg | cttgtttctg | tcgtttcagg | 1140 |
| gtgctggggg | aagagaacca | atggcagaag | ccatgcgtgg | aagcagaatg | gatgtttgaa | 1200 |
| gagcctcagg | ctaaatcatg | gagcgcccag | ccctcttctc | tttgatcgca | agggcaaccg | 1260 |
| ggccatgttg | ccggcttaga | gctgctccgt | acaccagaa | agctaacacc | tagaacaata | 1320 |
| actgcctgta | agcatgccga | actctctaaa | ctgatgatga | aatacgtcac | taatgaaggg | 1380 |
| accagtggct | ccaggggagc | tgaacacctg | acgctgcgcc | cctaacaacg | ggtaagaaga | 1440 |
| aacaagggcc | gctgcgcaag | cagcggcagg | acaccggcgg | ccaagggggc | gcggcctgga | 1500 |
| gcgcgggggc | acgaggccct | gcttcaagct | gagggcccgg | ggagaagccg | gtacctctcc | 1560 |
| acctcctgca | gctcccgttc | ctccggctcc | cagtcggaat | cgggggtccg | ctcccgcca | 1620 |
| atagggcctg | ggcccgccac | ccccgggtc | gcgaaccac | agcgagtgc | ggcggcgcaa | 1680 |
| acgcgcccgc | ccagcaagag | actcagggtg | accgccatgt | cgacgcaaac | cagccttcag | 1740 |
| cagtcgggcta | ccctcgtgcc | aagcttggcg | tanagggtgt | caatacagtc | tcatttgccg | 1800 |
| tc | | | | | | 1802 |

<210> 7835

<211> 1730

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1681)...(587)
 <223> similar to gi5656743 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7835
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 gcgcccgcag caggggagag acactacaca ggcctgggac cgccaagcac accagctgcg 180
 agctcctgaa gggcagacac atggacacac ggacactgaa accacgagca cggcacagcc 240
 acagggagga atggtggagc tggggacaga catcggcagc tactgccaac tgctgccctc 300
 ttctgccacg agttccttg caggagcct tgctcgtgtt actaaagagc cacgtgactt 360
 tatctgatgg cagaacgtct cgctttctgc atctgtaagc tgggccagta caccgtactc 420
 cacagggctg ccgtgagtac agatgagact gaaacagggg cattgatcaa agtaccacaac 480
 acagagcctg gcacatagag gtgttcaata agtaactttt gtcaggagac tcttagggag 540
 gaccttcaga aggccaagtg agatgacttc cctagaaatt ctctcagggc atggggaccc 600
 tggaggactc cttggagcct gcagcccctg gtgtgcccaa ggccccagaa tacaccgtgc 660
 cagggctggt cacaggcgtg gggggctgga tgcccaggga ggtgcccgca gaagctgggt 720
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 ggcagctctg tgtggggtag gagccaggca ccgggttcag tttccggctc tgggctgcc 960
 tcctctcggc tgaagaccct gagacgtact tgaacacgga tatcctctc atcaggctga 1020
 aggggaaggt ctgatcgagc ttcagcgcca ctgctctga gaggtcgatg gaatagcagt 1080
 aggtgaggcc ataggccagc ccgatggaca gcccgagac attactgagg aaagaggtct 1140
 ggggaatgag ccacgaggca cccagcagga gccacggaac caggactgag ggcacaacca 1200
 tgccaaacac cagggcccgc ctcatccgag aacggacggg ggtgactccc agcatggcaa 1260
 agggcactgg ggtgaaacct ctggcatcct ccacttcccc cagctttgac agtgatgaca 1320
 cagcctcgaa tgacaggaag atgatagcgg agaagatggc gaagatcacg gtgaagaagc 1380
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 cttgccagtt gcgaagggcc tcggacttca gcgtgaggcc cgagggcgcc aggggctgct 1560
 gcagcaggaa caggcgaggc ccggaaacca gcagcgagag cagcgagtg aagaaggtgg 1620
 cggatggcac ctcgggacac aagcaccagc tgcgacacc gggccccgag gccgccatgg 1680
 ccgctgctgt tcccgcgccc cgctctgacg ccggtgcgcg gtctctgct 1730

<210> 7836
 <211> 5294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1128)...(3149)
 <223> similar to gil504016 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7836

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| atttttcact | tgatgatgtca | tggttggtgct | caaaaagttt | tagatttttg | aggatttcag | 60 |
| atttcagatt | ttcagattag | tgctgctcag | cttgatttct | gtcagtgttg | cggtgtcaagg | 120 |
| ttttttttta | acaaaatcaa | tttatgtatc | atttcatggt | tctctgactc | attgttaggg | 180 |
| acaaatatgc | cttcccat | gagccgcaca | ggattaaagc | agctccgagc | tgcttcccag | 240 |
| ctctgacatt | ttgccattct | aaaaaatgag | tttactcacc | acttcccat | cttactcttt | 300 |
| gagtattatg | tattttcaat | tgaaaactgt | agttttgtga | tgatgaattg | gaaagctcaa | 360 |
| tagaacatga | tctgtattcc | ttgaagaaat | gcaggatcca | ctggaaatga | ggtggagaga | 420 |
| gaccttttcc | acccatcaga | gtgaagcggg | gtactctaca | aggtgcattc | ctgacgagga | 480 |
| aggccctgtg | tgctgtgctg | ccaattctgg | cttttccctca | gttcagggtg | atgcccattg | 540 |
| tactacgttt | gtccatcagc | atttttgttt | tggtttgttt | tcagatgtaa | atgagaggaa | 600 |
| gcaaagattt | ttatggagac | tatcaataat | ctcaagaaaa | tacatattca | aaatggaatt | 660 |
| aaagccgtgc | agtaagataa | gtttatatat | gcaattcctt | aaggtaaaag | taaattataa | 720 |
| aagattgaat | caggcagttc | tgctctttgt | ccaaaaggta | agattgcatg | tgaaacatca | 780 |
| acaggaagtt | gccttttcc | cctctggact | ctgggtatac | tttgtttgcc | atctgcgaga | 840 |
| tcagtccatg | gctgagagat | ggcataagtg | agcctgagtg | cagcagtgag | cagcatcctg | 900 |
| aggttagcat | tacacttctc | ccagtggagc | ccatgacttc | tgatcaggac | gctaagggtg | 960 |
| tggtgaacc | gcagacgcag | agagtccagg | agggcaagga | cagcgtcat | ctgatgaatg | 1020 |
| gtcctatata | tcaaaccact | tctcagacaa | gttccatccc | acctttgagt | cagggtaccag | 1080 |
| caactaaggt | ttcagagctg | aaccctaattg | cagaagtgtg | gggggctcct | gtgttacatc | 1140 |
| tggaagcaag | cagtgtgctg | gacgggtgtga | gtgctgcatg | ggaggagggtg | gctggccacc | 1200 |
| acgcagaccg | tgccccgcag | ggatcggatg | ccaatggtga | tggtgaccag | ggccatgaga | 1260 |
| atgccgcatt | gccagaccgc | caggagtgcg | accagcaga | catgaacgct | ctcgtctggt | 1320 |
| gtccctcaga | atatgactct | ctgcctgaaa | atagcgagac | aggaggaaat | gagtctcaac | 1380 |
| cagacagcca | ggaagacccc | cgagaagtac | ttaaaaaaac | attggaattc | tgcttatcta | 1440 |
| gggagaacct | tgctagtgc | atgtatctta | tatcacagat | ggatagtgac | cagtatgtgc | 1500 |
| caatcacaac | ggtggctaac | ctcgaccaca | tcaagaagct | cagcactgat | gtggacttga | 1560 |
| ttgtggaagt | gctaagatct | ttacctttag | tccaagtggg | tgaaaaggga | gaaaaagtaa | 1620 |
| ggccaaatca | aaatcgctgc | atagtaatat | tgcggtgaaat | atctgaatct | acccccgtgg | 1680 |
| aagaagtaga | agcactat | aaaggagata | atttacccaa | atttataaac | tgtgaatttg | 1740 |
| catataatga | taattgggtt | attacatttg | aaacagaagc | tgatgcacaa | caggcttaca | 1800 |
| aataccttcg | agaagaagtc | aaaacttttc | aaggaaaacc | aattaaggca | cggataaaaag | 1860 |
| caaaggcaat | agctataaac | acatttttgc | caaagaatgg | atthagaccc | ctggacgtga | 1920 |
| gcctgtatgc | ccagcagcgc | tacgcgacgt | cgtttactt | ccctcccatg | tacagcccc | 1980 |
| agcagcagtt | ccccctgtac | agcctgatca | ctccccagac | gtggtcagca | acgcacagct | 2040 |
| atcttgaccc | acccttggtg | actccatttc | caaatactgg | atttataaat | gggtttacgt | 2100 |
| ctccagcgtt | caagcctgcg | gcgtctctct | tgacttctct | cagacagtat | cctcctcgaa | 2160 |
| gcaggaatcc | tagtaaatct | catctgcggc | atgcgattcc | tagtgcagag | aggggacctg | 2220 |
| ggttattaga | aagtccctca | atatttaact | tcactgcaga | tcgattaatt | aatgggtgtc | 2280 |
| ggagtccaca | aacaaggcaa | gcagggtcaaa | ctagaacacg | ggttcaaaac | ccttcagcat | 2340 |
| atgccaaagag | agagggtggg | cctggggcgtg | tggagccagg | cagtctcgaa | tcctctcctg | 2400 |
| gttttagggag | gggaagggaag | aattcctttg | gctaccggaa | gaaaaggagg | gagaagttaa | 2460 |
| caagcagcca | gacacagttc | ccaacgccac | caaagcctcc | gtcgccaagc | ttcgagctgg | 2520 |
| ggctgtccag | cttccctcca | ttacctggag | ctgccggcaa | tttgaagaca | gaggacttgt | 2580 |
| ttgaaaacag | gctatctagc | ttgataatag | gaccatccaa | agaaaggacc | ctcagtgcag | 2640 |
| acgcaagcgt | gaacaccctt | cctgtagtgg | tctccagaga | gccctcggtg | ccggcttctt | 2700 |
| gtgctgtatc | agcaacgtac | gagcgatccc | cctccccagc | tcatttacc | gatgatccca | 2760 |
| aggtggcgga | gaaacagagg | gaaaccacac | gtgtggacag | acttccttcc | gccctcactg | 2820 |
| cgaccgcgtg | taaatcggtg | cagggtgaacg | gagccgccac | ggaattgcga | aagcccagct | 2880 |
| acgcagagat | ttgtcagaga | acgagttaaag | agcctccttc | ttccccattg | caaccccaaa | 2940 |
| aagaacaaaa | gccaaacact | gttggttgtg | ggaaggagga | aaagaagctg | gcagagcccg | 3000 |
| cagagagata | ccggggagccc | ccagccctca | agtccacacc | tggagcccc | agagaccaga | 3060 |
| ggcgggccggc | ggggggccgg | ccctcgccct | cggccatggg | gaagcgtctc | agccgagagc | 3120 |
| agagcactcc | ccccaaagtct | cctcagtgaa | aaccgtacgt | ctggggagggg | tcgcagagcg | 3180 |
| ctgtgttaac | cacaaacgag | acactctccc | actcagtgcg | agggcgagcc | gctgggttagg | 3240 |

| | | | | | | |
|-----------|-----------|----------|-----------|-----------|-----------|------|
| agcttgca | gtctgag | tgtgggat | tcaagttg | tttcttct | gagttggat | 3300 |
| ctccccct | tgaaaaaa | tcgatttt | aggattta | taatacaa | cttatttt | 3360 |
| gttggtgc | aactggag | gatgcata | tctgattt | ttttcca | tagaaaa | 3420 |
| atttatec | acaaattg | attttttt | aagcctcc | gtggctct | atgcaagc | 3480 |
| tatatagt | gtttttct | attaaggg | ctctgctt | tttttttt | tttttaag | 3540 |
| actggtct | aagtgcata | ctctaga | tccccgc | tgaatgag | ccagtggc | 3600 |
| tggcagag | aggtgtgg | tcatagag | agtgtg | gcgccagg | atcagtgc | 3660 |
| atgtggga | tgtgcttc | cctaagcc | tggtaggg | ctgtggca | taagaatg | 3720 |
| gagagcg | ctttttg | ctcctggg | gagtgaac | gcaggggc | ccccagaa | 3780 |
| cttggttc | atgcactg | agcaagta | cagcttct | ctccagtt | aagtggct | 3840 |
| tatgtaat | aaattcaa | cacattgt | atagaac | catgaaa | tacacttt | 3900 |
| tgccactg | catgttac | gaagttgt | catgatgt | ttttgacc | tgtgagct | 3960 |
| tggccccg | cctgctct | gcacattt | gtccgtgt | cccagcac | tggttgg | 4020 |
| gagtcac | cttcagct | gtgtggac | ctccctgt | ctctgcat | gcacatgg | 4080 |
| ttaagagt | tgtaatcg | agagaatg | gtttgtgg | tttcccc | tttggctg | 4140 |
| ggaggata | gttcctgc | ttttacct | aagacgag | cctcattg | tcacttcc | 4200 |
| aagtgtgc | cttctga | acaaggat | actaaagt | gcaagttt | aataaagt | 4260 |
| aatataaa | attttgtt | aaaatgc | aaattttt | ttattcta | cagcaaac | 4320 |
| taaaataa | atatttct | ctaaatgt | ccatacact | tattccac | aatgttat | 4380 |
| aacaagac | agggtttt | ttaagaaa | attatttt | tccaatat | aaagactg | 4440 |
| attttatt | aacttgaa | tgactttg | ttaacttt | tataagac | cttaaagt | 4500 |
| atggagcc | gccctggg | ggcgtgag | ggtcagag | actcagtt | tgcgtgg | 4560 |
| tcctgtcg | agttttac | agtaagca | ctgtagt | agagctag | gtagtttt | 4620 |
| taatatac | taaagatc | caacagtt | tctttttc | gaatgttg | aaatcctg | 4680 |
| aatgcaaa | gtcaatac | tattaaat | gtgcactg | agtgtgg | cgcttggt | 4740 |
| agttggta | taatcagg | catatgg | aagggta | ctacagag | aaattctg | 4800 |
| acagattat | gatataat | aaatgttg | gttgagcg | atgtagat | actaaagt | 4860 |
| gtggtttg | tattattt | atttggtg | attttctt | ttctctta | tcggtgtg | 4920 |
| gaactgat | tgcctctt | ctgcaaaa | gaattgg | gtcttatta | aagcctcc | 4980 |
| atgttttc | actctttt | aatgtatg | aatgcata | aatcatat | aatgtgaa | 5040 |
| agttttaa | tatataga | gcaaaaac | gcaggatc | aagtgaag | gactagta | 5100 |
| ctaattta | tcacctgc | ctaagcat | ttgaccct | cagaggaa | catgcct | 5160 |
| tgaccatt | ctttaag | gttgccat | ttcaaata | gagaaata | cacagggt | 5220 |
| gtgttttc | aatgcatt | aaagaac | gggatttt | tttgtagt | tcagttc | 5280 |
| gacaaaaa | aaaa | | | | | 5294 |

<210> 7837

<211> 1861

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1614)...(1010)

<223> similar to gill103582 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7837

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|----------|----------|-----------|-----------|-----------|----------|-----|
| tttttttt | ttccgtat | aacagccag | agcctccac | ctccaggag | gaagggat | 60 |
| acagagcc | actcgccg | tttatttt | actcaccct | ggtgacact | ggcaggcc | 120 |

| | | | | | |
|---|---|---|---|---|------|
| t | t | t | t | t | 180 |
| c | c | c | c | c | 240 |
| c | c | c | c | c | 300 |
| a | a | a | a | a | 360 |
| t | t | t | t | t | 420 |
| a | a | a | a | a | 480 |
| c | c | c | c | c | 540 |
| c | c | c | c | c | 600 |
| g | g | g | g | g | 660 |
| g | g | g | g | g | 720 |
| c | c | c | c | c | 780 |
| c | c | c | c | c | 840 |
| c | c | c | c | c | 900 |
| c | c | c | c | c | 960 |
| t | t | t | t | t | 1020 |
| c | c | c | c | c | 1080 |
| g | g | g | g | g | 1140 |
| c | c | c | c | c | 1200 |
| a | a | a | a | a | 1260 |
| c | c | c | c | c | 1320 |
| g | g | g | g | g | 1380 |
| t | t | t | t | t | 1440 |
| c | c | c | c | c | 1500 |
| c | c | c | c | c | 1560 |
| c | c | c | c | c | 1620 |
| g | g | g | g | g | 1680 |
| a | a | a | a | a | 1740 |
| t | t | t | t | t | 1800 |
| a | a | a | a | a | 1860 |
| t | t | t | t | t | 1861 |

<210> 7838

<211> 1740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1657)...(1348)

<223> similar to gil770517 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7838

| | | | | | |
|---|---|---|---|---|-----|
| t | t | t | t | t | 60 |
| t | t | t | t | t | 120 |
| c | c | c | c | c | 180 |
| a | a | a | a | a | 240 |
| g | g | g | g | g | 300 |
| a | a | a | a | a | 360 |
| c | c | c | c | c | 420 |

| | | | | | | |
|------------|-------------|-------------|------------|------------|------------|------|
| aagtagctct | tatacacgac | aacataactg | caaattcagc | aatacttagt | cttacttttt | 480 |
| tatgtataga | ccataatcat | tcatacagaag | caaatactag | aagaaatctg | aggccacaac | 540 |
| accattacca | aatgagaaat | gtgggaattt | cttcaatatt | aagagggaga | aaaaggccaa | 600 |
| ttttggtgt | gccaatcctt | gcctgtgtac | caacgccagg | tactgagcag | ggagtggggt | 660 |
| gggaggggtg | gcaggggggt | gggtcctggg | cctcagaccc | cgaggttaca | tgcttgaggg | 720 |
| ccagagagca | cgtgggggtca | aattaccaaa | agactcgggt | attttttaac | ctttgaagaa | 780 |
| gcattccagt | attttccttt | caacttttcc | atatactgac | aaagcttaaa | tttgcaatat | 840 |
| ttagcatttt | aatcacctgt | gcctgtaaca | gcaagtgaca | gtctgtcctc | cctaccaacc | 900 |
| ttgcccccaa | tacctgtcca | acagctgcat | ccccactgcg | ggaaacacca | attctctatg | 960 |
| tgactggagt | gagcagggga | gaggcaacca | actcaggagt | cagatccctg | gccagactaa | 1020 |
| aagcgaaat | tcaggctata | attttggggt | taaaaaaatg | ttgtaggagg | gggggaaaac | 1080 |
| acaaatgagc | acacaaaagt | accacaata | tcttgcaact | cattttacct | gaacaaagat | 1140 |
| aacaattctg | attggcccaa | tttaagttac | agattcatcc | ctgcagatat | agttttgagt | 1200 |
| tgacttgtaa | gtacatcaaa | gagaggaaaa | tcactgtggt | gaatgtcctc | gagtttccgc | 1260 |
| agacaccttt | gtggtcggca | tggtcacgtg | ctcaccattc | aacagcaatg | cgaggatgga | 1320 |
| cggcccgggc | tggggacggg | ccctctagaa | actgtgccct | gccaggctgc | tctccggcac | 1380 |
| acctccgctc | tgctgctgga | acacgtcgat | ggtgtcctcg | tcctccatct | ccagctgtgc | 1440 |
| tggagtgtca | gtttcattga | ttggctgccc | gtcgaacctg | aatctgatct | gcctcattga | 1500 |
| caagccttgc | ctctcgagc | aggccttcat | cagcttgctc | agcggcgtgt | gcctcttgat | 1560 |
| cttgaactgc | accacggagc | cgtcctgccc | ggccaccttc | aggttgatgt | ggtcattctc | 1620 |
| tgtcttcaca | ccctccttgg | gcttctcctc | ggacatggct | gcgcgagcgg | cgcggggagg | 1680 |
| cggcgcgggg | gaagcagcgc | ggagcgggcg | agtcacgctc | tcggccccgc | cgccctcccg | 1740 |

<210> 7839

<211> 1953

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (314)...(560)

<223> similar to gi5050965 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7839

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| ggcacgagaa | accacggaat | ttactgccgg | aagttcggcg | gccttcgccca | aagagtgtgg | 60 |
| gctcggctag | caagctagag | gggtcgtttt | ccgccccgct | accggggcggg | ggcgggccatc | 120 |
| ttagatgcgt | gcaattaagg | gctttggcgg | gattggctcc | gcgtttgggc | tggtccgctg | 180 |
| ctccccacct | accagggtcg | gatccggagc | ccttccccgc | ggggcgggga | cctccaaaca | 240 |
| accgactcct | ttccagggtga | agggtgactt | ggctgaagaa | acacttaaat | tctggaaata | 300 |
| gcgactcagt | atcatggcca | gcagccttaa | aacagatcca | gaaggaagca | gaatcactta | 360 |
| tgtgaaagga | gacctttttg | catgcccga | aacagactct | ttagcccaact | gtatcagtga | 420 |
| ggattgtcgc | atggggcgctg | ggatagctgt | cctctttaag | aagaaatttg | gaggggtgca | 480 |
| agaactttta | aatcaacaaa | agaaatctgg | agaagtggct | gttctgaaga | gagatgggcg | 540 |
| atatatatat | tacttgatta | caaagaaaag | ggcttcgcac | aagccaactt | atgaaaactt | 600 |
| acagaagagt | ttagaggcaa | tgaagtctca | ttgtctgaag | aatggagtca | ctgacctctc | 660 |
| catgcccagg | attggatgtg | gtcttgatcg | tctgcaatgg | gaaaatgtat | ctgcgatgat | 720 |
| cgaggaggta | tttgaggcaa | cagacatcaa | aattactgtg | tacacactct | gaaccagtga | 780 |
| acatttttga | tgtttccgtg | ttctcctgtg | tcactctctac | tgggccatag | gaccgggcaa | 840 |
| acctacctta | aaataggcag | aggaaagttt | catgagaagt | agtgtgttta | acaagacaga | 900 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|------|
| ctttggttgc | tgtattcaag | tatttggatt | atgactgtgg | aggagggcct | gcttaagata | 960 |
| tgtggttgtg | tttttttgtg | gaaaagtaag | gagttagggtg | gcttgataat | aggcagggaa | 1020 |
| accagattgt | cgggactatg | acctttttct | ccagtatgct | acctgatttg | tttggctggc | 1080 |
| cactagggtg | cagcattggg | tctacttctc | tgcttttttaa | gagaaaatttc | aggaaggatg | 1140 |
| atcattccag | ttagtttggc | attttttgtc | gtttgtgcac | ataacttggg | gttatcctta | 1200 |
| tgatcatcaga | ttcctcctag | gggagagttt | ttgttttaat | tacaaaatta | aattctacat | 1260 |
| tgttaccaag | aaattttgtg | tgataaaaaat | ggaaaaataa | aaattttgggg | agttagttag | 1320 |
| gggtctgtgct | tatgtctatt | tggttctggac | atgggtaatg | gagggttcac | ctgcaactta | 1380 |
| atttcaaaaca | gtcagacaaa | gggtcccaag | cgggaggaga | agcaaagtga | gaaataagag | 1440 |
| ataaaaaatag | acaagtcaaa | aggcaggttt | ttagaatctc | ctcatgggtga | actttttctc | 1500 |
| tcttttgtcc | actgcatggg | ttctgtgatt | gaacctgcct | gaatttaatc | atgaaaacaa | 1560 |
| gtgaaataat | gtatgttaaa | tgcttggcag | agtacttagc | acagactagt | gacccaataa | 1620 |
| gatcagtgat | tgtcaaaaat | ccttatgagt | cttctttaaa | aaaataaagg | ccacttcctc | 1680 |
| tcaaaaaaatt | ctcataacctg | tcatctcagc | actttgagag | gctgagactg | gaggatgact | 1740 |
| tgagcccagg | agtttgagac | aaacctgggt | aacatagcga | gacctgtct | ctacaaaaaa | 1800 |
| aaaggaattt | aaaatttacc | tgggcttggg | ggcgcgggcc | tgtggtccca | gctattctaa | 1860 |
| aggctgaggc | ggccgtatgc | tttgagcctg | ggaggcggaa | gttgcatagg | cccggggaac | 1920 |
| aactttggtt | aattgaaact | cctgactact | ggg | | | 1953 |

<210> 7840

<211> 1167

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (98)...(836)

<223> similar to gi50229 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7840

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| tcagacaccg | tgtcctcttg | cctgggagag | gggaagcaga | tctgaggaca | tctctgtgcc | 60 |
| aggccagaaa | ccgccacct | gcagttcctt | ctccgggatg | gacgtggggc | ccagctccct | 120 |
| gccccacctt | gggctgaagc | tgctgtgtgt | cctgtgtgtg | ctgccccca | ggggccaagc | 180 |
| caacacaggc | tgctacggga | tcccagggat | gcccggcctg | cccggggcac | caggggaagg | 240 |
| tgggtacgac | ggactgccgg | ggcccaagg | ggagccagga | atcccagcca | ttcccgggat | 300 |
| ccgaggacct | aaagggcaga | agggagaacc | ggccttacct | ggccatcctg | ggaaaaatgg | 360 |
| ccccatggga | ccccctggga | tgccaggggt | gcccggcccc | atgggcatcc | ctggagagcc | 420 |
| aggtgaggag | ggcagatata | agcagaaatt | ccagtcagtg | ttcacggtea | ctcggcagac | 480 |
| ccaccagccc | cctgcaccca | acagcctgat | cagattcaac | gcggctcctc | ccaaccgcga | 540 |
| gggagattat | gacacgagca | ctggcaagtt | cacctgcaaa | gtccccggcc | tctactactt | 600 |
| tgtctaccac | gcgtcgcata | cagccaacct | gtgcgtgtgt | ctgtaccgca | gcggcggtcaa | 660 |
| agtggtcacc | ttctgtggcc | acacgtccaa | aaccaatcag | gtcaactcgg | gcgggtgtgct | 720 |
| gctgaggttg | caggtgggcg | aggaggtgtg | gctggctgtc | aatgactact | acgacatggg | 780 |
| gggcatccag | ggctctgaca | gcgtcttctc | cggcttctct | ctcttccccg | actagggcgg | 840 |
| gcagatgcgc | tcgagcccca | cgggccttcc | acctccctca | gcttctctgca | tggacccacc | 900 |
| ttactggcca | gtctgcatcc | ttgcctagac | cattctcccc | accagatgga | cttctcctcc | 960 |
| agggagccca | ccctgaccca | ccccacttgc | acccccctcc | catgggttct | ctccttctct | 1020 |
| tgaacttctt | taggagtcac | tgcttgtgtg | gttctctggga | cacttaacca | atgccttctg | 1080 |
| gtactgcat | tctttttttt | ttttttcaag | tattggaagg | ggtggggaga | tatataaata | 1140 |

aatcatgaaa tcaatacaaa aaaaaaa

1167

<210> 7841
<211> 1601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1602)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (60)...(1199)
<223> similar to gi306759 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7841
agaaagtgaa aggtgaggca cggccctgca gattttccag cggatcccc ggtggcctca 60
tgtcgcgcag tggaaccgat cctcagcaac gccagcaggc gtcagaggcg gacgccgcag 120
cagcaacctt ccgggcaaac gaccatcagc atatccgcta caaccgcgtg caggatgagt 180
gggtgctggg gtcagctcac cgcagtaagc ggccctggca gggtaagtg gagccccagc 240
ttctgaagac agtgcctcgc catgaccctc tcaaccctct gtgtcctggg gccatccgag 300
ccaacggaga ggtgaatccc cagtacgata gcaccttctt gtttgacaac gacttcccag 360
ctctgcagcc tgatgcccc agtccaggac ccagtgatca tccccctttc caagcaaagt 420
ctgctcgagg agtctgtaag gtcagtgtgt tccacctctg gtcggatgta acgctgccac 480
tcatgtcggg ccctgagatc cgggctgttg ttgatgcatg ggctcagtc acagaggagc 540
tgggtgcccc gtacccttgg gtgcagatct ttgaaaacaa aggtgccatg atgggctgtt 600
ctaaccceca cccccactgc caggtatggg ccagcagttt cctgccagat attgcccagc 660
gtgaggagcg atctcagcag gcctataaga gtcagcatgg agagccccctg ctaatggagt 720
acagccgcca ggagctactc aggaagggaac gtctggctct aaccagttag cactgggttag 780
tactggtccc ctctctggga acatggccct accagacact gctgctgccc cgtcggcatg 840
tgcggcggct acctgagctg acccctgctg agcgtgatga tctagcctcc atcatgaaga 900
agctcttgac caagtatgac aacctctttg agacgtcctt tccctactcc atgggctggc 960
atggggctcc cacaggatca gaggtctggg ccaactggaa ccattggcag ctgcacgctc 1020
attactaccc tccgtcctg cgtcttgcca ctgtccggaa attcatggtt ggctacgaaa 1080
tgcttgctca ggctcagagg gacctacccc ctgagcaggc tgcagagaga ctaagggcac 1140
ttcctgaggt tcattaccac ctggggcaga aggacaggga gacagcaacc atcgcctgac 1200
cacgccgacc acagggcctt gaatcctttt ttgttttcaa cagtcttgct gaattaagca 1260
gaaagggcct tgaatcctgg cctggaattt gggcagatat agcattaata aaactgtgca 1320
tctcaaaaaa aaaaaaaagg gggggccctt ttaaaagaac caatttttac gccggggggg 1380
gggaaagtta tttttttttt tttggggccc caaaatttaa ttccggggcc ggggttttaa 1440
aaaggggggg aggggaaaaa cccggggggg ccccaaatta atccttttgg aaaaaaacc 1500
ctttttcccc gggggggggaa aaaaaaaaaga acggggnnnn nnnnnnnntt antnnnantt 1560
tnntnttttt atnnannntt aaaaaaaaaa atgtatttga a 1601

<210> 7842
 <211> 2172
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (439)...(1882)
 <223> similar to gi475198 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7842

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|------------|------|
| ttcgcagcatc | gaggacctta | gtccagtgcg | gtggaattcg | acatgctcag | caaaataaca | 60 |
| acgaaaccag | agggggaact | ctctggcatg | caagttcaaa | cacgactcta | caactacggc | 120 |
| agaaaaagag | agagagagaa | actaaaaata | tatatatata | ctatTTTTTT | cacagctata | 180 |
| agtttctttc | actgagcttt | cctaaattta | agcctctaga | aaataataaa | tacttggata | 240 |
| tcttacctac | aaacatggac | agatgtgtgt | atgcgctcat | tttagagAAC | ttgaattttt | 300 |
| ttttttaaag | gaagggtgtc | actttggctt | ttgagtgttt | ggcatgggta | caatgcctta | 360 |
| aaaaaacaga | tgagcagctt | agctactaac | catgctgacc | actgttcgga | acgggattga | 420 |
| atcacagaaa | aacagcaaAT | ggctctctct | tacagagtgt | ctgaacttca | aagcacaatt | 480 |
| cctgagcaca | ttttgcagag | cacctttgtt | cacgttatct | cttctaactg | gtctggatta | 540 |
| cagacagaat | caataccaga | ggaaatgaaa | cagattgttg | aggaacaggg | aaataaactg | 600 |
| cactgggcag | ctcttctgat | actcatgggt | ataataccca | caattgggtg | aaataccctt | 660 |
| gttattctgg | ctgtttcact | ggagaagaag | ctgcagtatg | ctactaatta | ctttctaata | 720 |
| tccttggcgg | tggctgattt | gctgggttga | ttgtttgtga | tgccaattgc | cctcttgaca | 780 |
| ataatgtttg | aggctatgtg | gccccccca | cttgttctat | gtcctgcctg | gttattttct | 840 |
| gacgttctct | tttcaaccgc | atccatcatg | catctctgtg | ccatttcagt | ggatcgttac | 900 |
| atagccatca | aaaagccaat | ccaggccaat | caatataact | cacgggctac | agcattcatc | 960 |
| aagattacag | tgggtgtggt | aatttcaata | ggcattgcca | ttccagtccc | tattaaaggg | 1020 |
| atagagactg | atgtggacaa | cccaaacaat | atcacttgtg | tgctgacaaa | ggaacgtttt | 1080 |
| ggcgatttca | tgctcttttg | ctcactggct | gccttcttca | cacctcttgc | aattatgatt | 1140 |
| gtcacctact | ttctcactat | ccatgcttta | cagaagaagg | cttacttagt | caaaaacaag | 1200 |
| ccacctcaac | gcctaacatg | gttgactgtg | tctacagttt | tccaaagggg | tgaaacacct | 1260 |
| tgctcgtcac | cggaaaaggt | ggcaatgctg | gatggttctc | gaaaggacaa | ggctctgccc | 1320 |
| aactcaggtg | atgaaacact | tatgcgaaga | acatccacaa | ttgggaaaaa | gtcagtgcag | 1380 |
| accatttcca | acgaacagag | agcctcaaag | gtcctagggg | ttgtgttttt | cctctttttg | 1440 |
| cttatgtggt | gtcccttctt | tattacaaat | ataactttag | ttttatgtga | ttcctgtaac | 1500 |
| caaactactc | tccaaatgct | cctggagata | tttgtgtgga | taggctatgt | ttcctcagga | 1560 |
| gtgaatcctt | tggtctacac | cctcttcaat | aagacatttc | gggatgcatt | tggccgatat | 1620 |
| atcacctgca | attaccgggc | cacaaagtca | gtaaaaacte | tcagaaaacg | ctccagtaag | 1680 |
| atctacttcc | ggaatccaat | ggcagagaac | tctaagtttt | tcaagaaaca | tggaattcga | 1740 |
| aatgggatta | accctgccat | gtaccagagt | ccaatgaggc | tccgaagttc | aaccattcag | 1800 |
| tcttcatcaa | tcattctact | agatacgctt | ctcctcactg | aaaatgaagg | tgacaaaact | 1860 |
| gaagagcaag | ttagtattgt | atagcagaac | tggcagttgt | catcaaacat | aatgatgagt | 1920 |
| aagatgatga | atgagatgta | aatgtgccaa | gaatatatta | tataaagaat | tttatgtcat | 1980 |
| atatcaaatc | atctctttta | cctaagatgt | aagtattaag | aatatctaata | tttcctaatt | 2040 |
| tggacaagat | tattccatga | ggaaaataat | tttatatagc | tacaaatgaa | aacaatccag | 2100 |
| cactctgggt | aaatttttaag | gtatttcgaat | gaaataaagt | caaatcaata | aatttcaggc | 2160 |
| tttaaaaaaga | aa | | | | | 2172 |

```

<210> 7843
<211> 1023
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1024)
<223> n = a,t,c or g.

```

```

<220>
<221> misc_feature
<222> (804)...(519)
<223> similar to gi3241940 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7843
ccctctcccc ctttttaaaa ccccgcccc gcaatttaat ttggggggccc cataaaaaaa      60
ataatcactt gccaccccc gggccttaaa attggttctt ttaaaagggc gccccttttt      120
tttttttttg agctttggac aaattttattg aaacatacag gcggctgtta gcagagaaat      180
cattccatga ttgatgtgtt acatttggcc actaccttga atgtataatt taaaaattat      240
atttttcaca actaagcctt tggccaaaaa agtcatttag cacatcttta aagatcaata      300
agaaatggat tttggacatt aaaaagatca agtcactgaa ttaaacagta gcaaccccca      360
ttaatctaga atcccatagt gctgaaggta gaggtgtctg tgcaaagcta gtcatttggt      420
aacagcaatc agaagagatg ggggcaggca cacctgtcag aggtggcagc agagctggca      480
ggacaggacg gctgggctgg tctggtcagg tgagcatgtc ccagagacag cagcaacaga      540
gagccgtcca gcaggctgtg aggcagggtg atggtcctag ctcatctctt ctttggctct      600
ctaccacata cactgtggtt ttaggaggct cctgagggtc accctgccag ccgtactgtg      660
ggtatccttg gtaggggtac ccttgaggag gtgggtaggg tccccccata ggtcctggac      720
ccattggttg tgggtggataa ggtgggtatg gggccggttg accagggcct ggatatggtg      780
gaggggtctc ttgggttcac ggggacctgt aaagtgcacc tctcctctcc acgaaccgac      840
tggtataacg tgggtctga acctgaggag cccggaccag cccgcagtag acttgccgca      900
cctgtctcag agcaagtga gagcagccgg gcgcctgacg tcacggccgc tcccagcgcc      960
gcgaaccggg agtcacctga tcacctggc aacgcgcgga attccnccac actggagtag     1020
ggc                                                                1023

```

```

<210> 7844
<211> 3111
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (3023)...(2822)
<223> similar to gi3878720 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 7844

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| cccttttagcc | aaaatcatatc | atacagttat | tgaaagctga | actatgattt | gaacccaggt | 60 |
| ctaataccaac | tttaagtctg | cctatgctct | tttgttgctt | catggtcagg | caggtcacct | 120 |
| tccctgggaag | actggcatgt | gggtaatttc | ctccgagcct | aataaataaa | taaggctctt | 180 |
| taagggtttaa | aaagtgttca | attcggggct | agaggcccac | tctggctctc | aggcacttgc | 240 |
| agttccctcc | ccgcaaccct | aaaaaaaccc | tccctcctgc | cccaaaagga | ttagagttgt | 300 |
| tccccggcct | tcatgagccc | taatacctat | aaaaccaagc | agctactccc | tgtcaagggc | 360 |
| attaatgtag | taaatgggga | actgtgtgtt | tgcataactt | tagtaaaggc | tgccataaaa | 420 |
| ctgttctata | caacaaaatt | ttgcaagata | tgtgtccatt | taatgtatct | ttcacattga | 480 |
| aaacaaaagc | caatatattt | tataattaca | gcctataatc | taagttttta | aaatatataa | 540 |
| ccatagatgt | tatatctccc | cttcagaact | gtagtagtgt | tcttaataag | gctcactggt | 600 |
| agtcaaactc | tcatctccaa | ataatacaaa | tttgaatgtt | caacagtcac | tcaaataaac | 660 |
| atcatataac | tcaaaattaa | gacattcata | ctatagaaac | cagtctttta | ttactaaagt | 720 |
| taacatatat | tattgcaaac | taacatagct | caatctatat | ttgctacact | cctaaagtgg | 780 |
| ccgcttatca | gtaaggggaa | acatttatta | ttgacatgca | ttactgtgaa | caagaaaata | 840 |
| aatagggttt | tgaaaatatc | tcttaaaaaa | ttaatTTTTa | ttacacaaaa | taaccattca | 900 |
| ggttgctgaa | cattaaaatg | gccaatctat | tgaaaatggc | ttcaataatt | gcttttataa | 960 |
| atgaatacaa | aactaaacag | tgattaagggt | gctagcctca | tgaataggac | aattaaaatc | 1020 |
| taaaaaacatt | agtgttgatt | ttctataata | aacttaagcc | aaaaacaatg | acctcaatat | 1080 |
| ttacttaaga | cttcttggtt | tcatactttt | ctcctcatta | atataaaaaa | aaagagctca | 1140 |
| aggcctcacc | ttggtttatt | cactgctggt | tttctatgtg | ctgaaactag | actgtcaact | 1200 |
| ctgtaagagc | ttggaccaag | tctgtcttgt | tcaccactat | gtcctacagc | actctgcaca | 1260 |
| gtgcctggga | aataggaggt | gatcaacgaa | tatctcaata | actgaatcaa | tgcaagagga | 1320 |
| gagtaaaaata | acttttattt | tatttttgca | aatcatcctc | tgtcctaaact | actataaact | 1380 |
| ggcagctgta | atttctagaa | atatgggttg | aaaaaactcc | cagagatgga | aggacctgat | 1440 |
| gaaacactga | aacacacaaa | tacacacaca | cacacacaca | cacacacaca | cacacacaca | 1500 |
| cacacacgac | tgcatgagtc | aaaattactt | caggaagtat | gagatgtcaa | cattatgtaa | 1560 |
| ataaaaattta | atattgaaaa | agtgatctgg | aagccctgtg | aatttttacc | ctacacattt | 1620 |
| tgaggagacat | cacatgggtt | aaagaaaaca | ccacaaaatc | tcattttgttc | agataatcat | 1680 |
| ttgaatgttt | acatacattt | ttggttattt | atttataact | aattttaattt | acatttcctc | 1740 |
| atattaacat | atcctcttat | ttagtatgta | atcaaattat | gtcagtgaga | aaaatcctca | 1800 |
| tagtaccttg | agttgctgat | tctgagaaaa | cactaaacat | gaacatgtac | aaaagaggca | 1860 |
| tttgaataaa | acagcatgtg | cattttttta | atatttgcac | agtttgatct | ttgcatttct | 1920 |
| gtctggagaa | aatatgaaca | aaacccaggt | ttaccatgct | aagataatgg | ttcatatgac | 1980 |
| tgccataaaa | gtagtacata | caaacaatga | aaacaaatca | catccttagg | ttccatgatt | 2040 |
| accgagatga | tttccctgc | cctaagtgtc | ttatttatatt | tcttaaaaaa | tataggagca | 2100 |
| gcagcttatc | acaagtctcc | acaagtgcac | taatgatgga | atcaaaacaa | cacaacagat | 2160 |
| tcataaggat | gagagaactg | cagaacaacc | agaagtcagt | tttatgtctc | ttcttgttct | 2220 |
| ggataattca | gaattttgcg | gtgtgcctgt | cgtaaataat | gctgctgttt | gaagtaaact | 2280 |
| ttaaatgctc | cttttatggc | aacaaacgca | attccacca | agattgtcct | ttgtaaatta | 2340 |
| gagttaacac | tactgaacat | caattttacca | actattgtag | caatagtagg | aaagacaagg | 2400 |
| gctccacaca | agattcgagt | agcagagaca | tgatctgcta | aaggattggc | ctcagctgga | 2460 |
| attcgaggaa | caggacaacc | tatccctgga | aataactat | ttaaaatttg | tagttttattc | 2520 |
| gagtatttgc | gccacagtct | aagcacatag | tctctccagc | gaatcatctt | gcctaataatc | 2580 |
| agcatgacag | gaatagtagg | aagtccaatt | aaaaggaata | aaggatcagc | tctctccata | 2640 |
| acatccagac | cttctttatg | acctacaacc | tgcctcactg | tactgtctcc | ataagtcaca | 2700 |
| gctgtccaat | agatagagcc | gaccattatt | cctgctggag | caaatggaca | ggcttttgag | 2760 |
| atcagtctat | ctgcaagatc | caagacgtaa | accactggac | ccaatttttg | aaaaactatt | 2820 |
| aggatttcag | cattgcactg | aggacatgcc | actctggctg | tactgtttcc | tctttgtctt | 2880 |
| tcacccaccc | agcgttgtag | acaggcctgg | tgaacccatt | ttgtagatcc | tctgcacctg | 2940 |
| catgggtctca | cccattcagc | tggtctatca | tcttcatcag | tagcaaaaca | aaccagcaa | 3000 |
| cttctgtcca | gcatctgctg | tagggcttgg | tccggcatct | tccggggagc | cggcgcacac | 3060 |
| ggccttcccc | agtggacccg | ctcaaggcca | ggcccaggga | caatagcact | g | 3111 |

<210> 7845
 <211> 695
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (384)...(455)
 <223> similar to gi2228777 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7845

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tcttcagaag | gaagacaggg | cttctgggta | tacatctgga | actcttttcc | cacaacacca | 60 |
| acattaagaa | atgtgacatg | gggctgtggt | tacatttgca | taggaactcg | cattataagt | 120 |
| tttatttggt | gagttattgg | cttttttttt | tttaataacc | cacatcagta | tatagaactt | 180 |
| tgcaataggc | atttttggtt | taacttcatt | tgtggcgag | ttttattttc | ctacccttgt | 240 |
| ctttctatct | tctctttcat | cggctttaga | cttaaactgt | gttttatgta | ttgctgtaag | 300 |
| cctctttaaa | ccctttataa | aacaaagcag | ggaatacata | aacaaatagt | tttttgcctt | 360 |
| tcgttttttt | tctttgtaac | acaaatcgac | ttaaagcctc | cagagaagta | gaatctgtag | 420 |
| accttcaca | ctgccacctg | attaaaggaa | ttggtatgta | tatgaaaatg | cttgttgggc | 480 |
| acattgcatt | ttttggccat | taacattaaa | acactcatta | atggcatttt | agcatgaaat | 540 |
| tactgctttt | cagtggataa | atcacattag | atcaacaaaa | acctctttgg | tcaacctctt | 600 |
| gatctgatga | accctgtatt | tattcttctt | tcctaccctc | actgtaaatt | attctttttt | 660 |
| gtgtggaatt | ctatgtttag | catttgattt | cttgc | | | 695 |

<210> 7846
 <211> 2887
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (95)...(2196)
 <223> similar to gi2326549 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7846

| | | | | | | |
|-------------|------------|------------|------------|-------------|------------|-----|
| gcgtcgacga | tttcggggca | gctagtccca | gtactccgag | tcgggtcgcg | gccgacaggc | 60 |
| atccccctgag | cgctgtctgg | gctcttatca | cgcgatggca | tccactgtgg | aaggaggcga | 120 |
| cacagctctg | ctcccagaat | tccccagggg | gccccctgat | gcctaccgag | caagagcgtc | 180 |
| cttcagctgg | aaggagctgg | cgctgttcac | ggaaggggag | ggcatgctcc | gctttaagaa | 240 |
| aaccatcttc | tcagctcttg | agaatgaccc | tcttttcgct | cgttccccctg | gagccgatct | 300 |
| gtccttgagg | aagtatcgcg | agctgaactt | ccttcgatgc | aagcggatct | tcaggtatga | 360 |
| cttcctcagt | gtcgaagaca | tgttcaagag | ccctctgaag | gtccccgcct | tgattcagtg | 420 |
| cctgggcatg | tatgactctt | ctctggctgc | caagtacctc | ctccatagct | tggtttttgg | 480 |

| | | | | | | |
|------------|-------------|-------------|-------------|--------------|-------------|------|
| atcagcagtt | tacagtttctg | gttctgaaaag | acatctcaca | tatatattcaaa | agatctttcag | 540 |
| gatggagatt | tttggatggt | ttgctctgac | cgaatttaagc | cacggcagta | ataccaaggc | 600 |
| cattcgcaca | actgcccact | acgatcctgc | cactgaggaa | ttcatcatac | attccccctga | 660 |
| tttcgaagct | gccaaagtttt | gggttggcaa | catgggcaag | acagccactc | acgcggtggt | 720 |
| gtttgctaag | ctgtgtgtgc | caggggacca | gtgccatggg | ctgcatccct | ttatcgtgca | 780 |
| gatccgggac | ccgaagaccc | ttcttcccat | gcctggagtg | atggttggcg | acataggaaa | 840 |
| aaaactcggg | cagaacggtc | tggataatgg | tttcgccatg | ttccacaagg | tcagagttcc | 900 |
| tcgccagagc | cttctgaacc | ggatgggaga | cgtcaccccc | gagggcacct | atgtcagccc | 960 |
| ctttaaggac | gtcaggcagc | gctttggagc | gtccctgggg | agcctgtcct | cgggccgggt | 1020 |
| ctccatcgtg | agcctggcca | tccttaacct | aaagctggcc | gtggccatcg | ctcttcgctt | 1080 |
| ctcagccact | cggcgtcagt | ttggaccac | agaggaggag | gaaataccag | tgcttgagta | 1140 |
| tccaatgcag | caatggcgct | tgcttccata | tctggcagct | gtctacgcct | tagaccattt | 1200 |
| ctccaagtgc | ctcttctctg | acctggtgga | gctccagcga | ggacttgcac | cgaggagaccg | 1260 |
| cagcgccaga | caggcagagc | ttggacgtga | gatccacgcc | ctggcatcgg | ccagcaagcc | 1320 |
| cctggcctcg | tggaccaccc | agcaagggaat | tcaggaatgc | cgggaggcgt | gtggaggaca | 1380 |
| cggctatctg | gccatgaacc | ggttgggtgt | ccttagagat | gacaacgatc | ccaactgcac | 1440 |
| atacgaaggt | gacaacaaca | tcctgctgca | gcagacaagc | aactatttgc | tgggtctcct | 1500 |
| ggcacaccag | gtccacgatg | gagcttgctt | ccgcagtcct | ctgaagtcag | tggactttct | 1560 |
| ggacgcctat | cccgccatcc | ttgaccagaa | gtttgaggtc | tccagtgttg | ccgactgctt | 1620 |
| ggactctgca | gtcgcccttg | cagcatacaa | gtggctgggt | tgctacctgc | tccgagagac | 1680 |
| ttatcaaaaa | ttaaaccaag | agaaaagatc | aggaagcagt | gactttgaag | caaggaacaa | 1740 |
| atgccagggt | tcccacggcc | gtccgttggc | gctggccttc | gtggagctca | cggtggtcca | 1800 |
| gaggttccac | gagcacgtgc | accagccttc | cgtggccgcc | tcgctgcggg | ccgtgctggg | 1860 |
| gcggctcagt | gctctgtacg | ccctgtggtc | cctgagccgc | cacgcggccc | tgctctaccg | 1920 |
| aggaggatac | ttctccgggt | agcaggcggt | agaagtgttg | gagagcgccg | tcctggcttt | 1980 |
| gtgttcccag | ctgaaagacg | atgcagttgc | cctggtagac | gtgatcgctc | ctcctgactt | 2040 |
| tgttctggac | tcaccgattg | gcagagccga | cggcgagctc | tacaaaaacc | tctggggcgc | 2100 |
| tgctctgcag | gaaagcaagg | tggttgagcg | ggcctcctgg | tggccagagt | tttctgtgaa | 2160 |
| caaacctgtc | ataggaagtc | tgaaatcgaa | gctctagtgg | gactggcaca | cattcagcca | 2220 |
| agtctaata | aacgaaggga | actaatcaga | cgtggacctc | aacttctgat | tccagaacac | 2280 |
| accggagatt | gctgctgctt | tctgagcccg | cacctgtgcg | cctaaactgc | tgattggcct | 2340 |
| caactgcccc | ggcggacggg | agggaggcac | ccggccgggt | ggactaatct | gggatcgcg | 2400 |
| tgatttgcag | cgtggaaaag | aaatgcagat | gatcatgtct | accctgatgc | gctgtgggtt | 2460 |
| ttttgataat | tagaatttct | cacattcagt | tttcagggtt | cagctccttt | ctctaaagta | 2520 |
| aacagcccat | tgtcagggat | cttctgggtc | gacaacctgt | gattcatcta | gattttttac | 2580 |
| cgagctccac | ttcattgaga | agtcaatgat | gccagtctgg | ttctttgtca | actctccctc | 2640 |
| gggtttgttc | acataattga | attatgtcat | aaccttatta | atttgcacat | agatcatctg | 2700 |
| aatgtcggtg | gtttaagact | taaggaggaa | catctgtttg | attactttct | tttgtggaac | 2760 |
| tggaaatttc | catcgaggaa | atgttttttt | aaaaagtcta | atgatttgaa | tgggcaattc | 2820 |
| agtctccaac | cgcctccctc | cccctgccgc | cagttatata | aaaatcactt | tatttggtaaa | 2880 |
| aaaaaaa | | | | | | 2887 |

<210> 7847

<211> 2063

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (136)...(1623)

<223> similar to gi3860719 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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<400> 7847
gcgcgatcga gaccctattg agtgccgtgg aattcggtcg cgcccatgta acatcactag      60
cgaccggtga cctctttttc ccccttgccct ggctcctgtg gtggcaggct gggcacgagg      120
accatgctgg gccggagcct ccgagaagtt tctgcggcac tgaaacaagg ccaaattaca      180
ccaacagagc tctgtcaaaa atgtctctct cttatcaaga agaccaagtt tctaaatgcc      240
tacattactg tgtcagaaga ggtggcctta aaacaagctg aagaatcaga aaagagatat      300
aagaatggac agtcacttgg ggatttagat ggaattccta ttgcagtaaa agacaatttc      360
agcacttctg gcattgagac aacatgtgca tcaaataatgc tgaaaggtta tataccacct      420
tataatgcta cagtagttca gaagttgttg gatcaggagg ctctactaat gggaaaaaca      480
aatttagatg agtttgctat gggatctggg agcacagatg gtgtatttgg accagttaaa      540
aaccctgga gttattcaaa acaatataga gaaaagagga agcagaatcc ccacagcgag      600
aatgaagatt cagactggct gataactgga ggaagctcag gtgggagtgc agctgctgta      660
tcagcgttca catgctacgc ggctttagga tcagatacag gaggatcgac cagaaatcct      720
gctgcccact gtgggcttgt tggtttcaaa ccaagctatg gcttagtttc ccgtcatggt      780
ctcattcccc tgggtgaattc gatggatgtg ccaggaatct taaccagatg tgtggatgat      840
gcagcaattg tgttgggtgc actggccgga cctgaccca gggactctac cacagtacat      900
gaacctatta ataaaccatt catgcttccc agtttggcag atgtgagcaa actatgtata      960
ggaattccaa aggaatatct tgtaccgga ttatcaagtg aagtacagtc tctttgggtcc     1020
aaagctgctg acctcttga gtctgagggg gccaaagtaa ttgaagtatc ccttctcac      1080
accagttatt caattgtctg ctaccatgta ttgtgcacat cagaagtggc atcgaatatg      1140
gcaagatttg atgggctaca atatggtcac agatgtgaca ttgatgtgtc cactgaagcc      1200
atgtatgctg caaccagacg agaagggttt aatgatgtgg tgagaggaag aattctctca      1260
ggaaactttt tcttattaaa agaaaactat gaaaattatt ttgtcaaagc acagaaagtg      1320
agacgcctca ttgctaataga ctttgtaaat gcttttaact ctggagtaga tgtcttgcta      1380
actcccacca ccttgagtga ggcagtacca tacttgagat tcatcaaaga ggacaacaga      1440
acccgaagtg cccaggatga tatttttaca caagctgtaa atatggcagg attgccagca      1500
gtgagtatcc ctgttgcaact ctcaaaccaa gggttgccaa taggactgca gtttattgga      1560
cgtgcgtttt gtgaccagca gcttcttaca gtagccaaat ggtttgaaaa acaagtacag      1620
tttctgttta ttcaacttca agaactcatg gatgattgtt cagcagtcct tgaaaatgaa      1680
aagttagcct ctgtctctct aaaacagtaa acatatctta caaattaaaa tgacttttag      1740
gctgggtgca gtggctcaca cctgtaatcc cagcactttg ggaggccaag gcgagcggat      1800
catgaggtca gaagatctag aacagcctgg tcaacatggg gaaaccccgct ctctactaaa      1860
aatacaaaaa ttagccaggc ttagtgccgg gcattctgtg tcccagctac tcaggaggct      1920
gaggcaggag aatcacttga accctggagg tggaggttgc agtgagccga gatcatgcca      1980
ctgcactgca ctccagcctg ggtgacaaag caagactgtg tctcaaaata aataaataaa      2040
ataaaataaa aaaaaaaaaa agg                                     2063

```

```

<210> 7848
<211> 1019
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (23)...(886)
<223> similar to gi5853317 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```



```

<400> 7848
gcacgagccc cgggtgcgcg gtatggcggc cagcctgtgg atgggcgacc tggaacccta      60
catggatgag aacttcatct ccagagcctt tgccaccatg ggggagaccg taatgagcgt      120
caaaattatc cgaaaccgcc tctactgggat cccagctggc tactgctttg tagaatttgc      180
agatttggcc acagctgaga agtgtttgca taaaattaat gggaaacccc ttccaggagc      240
cacacctgcg aaacgtttta aactgaacta tgccacttac gggaaacaac cagataacag      300
ccctgagtat tccctctttg tgggggacct gaccccgac gtggatgatg gcatgctgta      360
tgaattcttc gtcaaagtct acccctcctg tcggggaggc aagggtggtt tggaccagac      420
aggcgtgtct aagggttatg gttttgtgaa attcacagat gaactggaac agaagcgagc      480
cctgacggag tgccaggagg cagtgggact ggggtctaag cctgtgcggc tgagcgtggc      540
aatccctaaa gcgagccgtg taaagccagt ggaatatagt cagatgtaca gttatagcta      600
caaccagtat tatcagcagt accagaacta ctatgctcag tggggctatg accagaacac      660
aggcagctac agctacagtt acccccagta tggctatacc cagagcacca tgcagacata      720
tgaagaagtt ggagatgatg cattggaaga ccccatgcc aagctggatg tgactgaggc      780
caacaaggag ttcatggaac agagtgaag gctgtatgac gctctgatgg actgtcactg      840
gcagcccctg gacacagtgt cttcagagat ccctgccatg atgtagccag gccaaaggac      900
aagccagggt gcatgatgtg agggagatga gagactcctt tttaaaaatt gtgaaacctt      960
tttggaataa tgatttgtaa gatttttaata atgactgttt ttggagatca aaaaaaaaaa     1019

```

<210> 7849

<211> 1694

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (127)...(1536)

<223> similar to gi5596714 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7849
gcggtggaat tcgtgggagt tgccttgacc tgcagctccg ccaccgcgga cccgccttct      60
gccctcagca gcagacgctc tgtcccgccc gggcagctct gcgaggcagc ggctggagag      120
ggaaccatgg ggactgtgca cgcccgaggt ttggagcctc ttccatcaag tggacctgat      180
tttggaggat taggagaaga agctgaattt gttgaagttg agcctgaagc taaacaggaa      240
attcttgaaa acaaagatgt ggttgttcaa catgttcatt ttgatggact tggaaggact      300
aaagatgata tcatcatttg tgaaattgga gatgttttca aggccaaaaa cctaattgag      360
gtaatgcgga aatctcatga agcccgtgaa aaattgctcc gtcttggaat ttttagacaa      420
gtggatgttt tgattgacac atgtcaagggt gatgacgcac ttccaaatgg gttagacggt      480
acctttgaag taactgaatt gaggagatta acgggcagtt ataacaccat ggttgggaac      540
aatgaaggca gtatggtact tggcctcaag cttcctaate ttcttggtcg tgcagaaaag      600
gtgacctttc agttttccta tggaaacaaa gaaacttcgt atggcctgtc cttcttcaaa      660
ccacggcccc gaaacttcga aagaaatttc tctgtaaact tatataaagt tactggacag      720
ttcccttgga gctcactgcg ggagacagac agaggaatgt cagctgagta cagttttccc      780
atatggaaga ccagccacac tgtcaagtgg gaaggcgtat ggcgagaact gggctgcctc      840
tcaaggacgg cgtcatttgc tgttcgaaaa gaaagcggac attcactgaa atcatctctt      900
tcgcatgcc a tggatcatga ttctcggaat tcttccatct taccaaggag aggtgctttg      960
ctgaaagtta accaggaact ggcaggctac actggcgggg atgtgagctt catcaaagaa     1020
gattttgaac ttcagttgaa caagcaactc atatttgatt cagttttttc agcgtctttc     1080

```

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|------|
| tggggcgga | tgttggtacc | cattggtgat | aagcgtcaa | gcattgctga | taggttttac | 1140 |
| ctcgggggac | ccacaagcgt | ccgcggattc | agcatgcaca | gcacggggcc | acagagcgaa | 1200 |
| ggagactacc | taggtggaga | agcgtactgg | gccggcgcc | tgcacctcta | cacccatta | 1260 |
| cctttccggc | caggccagg | tggctttgga | gaactttcc | gaacacactt | ctttctcaac | 1320 |
| gcaggaaacc | tctgcaacct | caactatggg | gagggcccca | aagctcatat | tctgaagctg | 1380 |
| gctgagtga | tccgctggtc | gtacggggcc | gggattgtcc | tcaggcttgg | caacatcgct | 1440 |
| cggttggaac | ttaattactg | cgtcccatg | ggagtacaga | caggcgacag | gatattgtgat | 1500 |
| ggcgtccagt | ttggagctgg | gataagggtc | ctgtagccga | caccctaca | ggagaagctc | 1560 |
| tgggactggg | gcagcagcaa | ggcgcccatg | ccacacaccg | tctctcgagg | aaacgcggtt | 1620 |
| cagcgattct | ttgactgcgg | accctgtggg | aaaccccgtc | aataaatgtt | aaagacacac | 1680 |
| tccgaaaaaa | aaaa | | | | | 1694 |

<210> 7850

<211> 639

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (17)...(236)

<223> similar to gi3367693 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7850

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| ctgagactcc | agcaggatgt | cttatcaaca | gcagcagtgc | aagcagccct | gccagccacc | 60 |
| tcctgtgtgc | cccacgccaa | agtgccaga | gccatgtcca | ccccgaagt | gccctgagcc | 120 |
| ctgcccacca | ccaaagtgtc | cacagccctg | cccacctcag | cagtgccagc | agaaatatcc | 180 |
| tcctgtgaca | ccttccccac | cctgccagtc | aaagtatcca | ccgaagagca | agtaacagct | 240 |
| tcagaattca | tcaggaccaa | gaaaggataa | ggatatttgg | ctcacctcgt | tccacagctc | 300 |
| caccttcac | ttctcatcaa | agcctaccat | ggatacacag | ggagcttctt | tctccttagc | 360 |
| cagtaatctg | cccatgatga | tccctgacag | caaaaagtgt | ctttcttgag | gctgccatac | 420 |
| tgccactgtc | caggtggaga | ctgagcaaa | gaagtcctgg | gctgtgccag | ctcccagagc | 480 |
| ttcggaagaa | agagcagcag | ctctctccct | gggaaccatc | agagaattct | gttgatgtgt | 540 |
| tctgtgtctg | tctgtcacct | ggtcacgagc | ttctaccacc | tttgcaattg | tcacttatct | 600 |
| ttcactccct | gaataaagta | tctatgcata | aaaaaaaa | | | 639 |

<210> 7851

<211> 3147

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2883)...(738)

<223> similar to gi29664 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7851

| | | | | | | |
|------------|------------|-------------|-------------|-------------|-------------|------|
| tttttttttt | ttcacagaca | gatgtggggc | cttttattat | ttgggggttc | tctatatgga | 60 |
| acacgggacc | tccccacccc | aagcctagt | cctctggcac | ccccataacc | agtacacaag | 120 |
| tccctgaaga | gtccccttta | aaatcactaa | tataaaaaaa | ggagcgaagg | aggggaaggcc | 180 |
| gcaacgccc | caggctgggc | agctcctggt | cggcagcagg | gccaggggaag | gacagagggg | 240 |
| gcgttggctt | cggcgcagga | aggcacaggc | gttcccagcc | ccggggcctc | cccagagccg | 300 |
| gaggcggtc | cacacgcctg | gactgcagac | tgtgtcgagc | tagtggttat | agtttatagt | 360 |
| ctgcaggcaa | ggccaggccg | gtggtgctga | gtgggtggcc | tctgaagtgg | ggagagggga | 420 |
| cacatcagga | tgctggggaa | acccggggct | gtcccaggcc | aggaacaagc | gaaagctgcc | 480 |
| ttcctggctt | ggcaatgggt | ggggcccagg | gagtcacatc | cgagcccatg | gctggcacag | 540 |
| gcaggggcca | cacagttctg | cccggagcag | atgaacgatg | gtggctggga | ggagagggga | 600 |
| caggaggacg | aggctgcctc | tctgctccaa | ggaaggcact | tgagctggg | gtggcctggt | 660 |
| gtggtgtggt | aggaggcgag | gcttggcaga | cgaggaggga | ggggagcacg | gcaaggggga | 720 |
| ccgagtcctt | gcctcatgca | aacatggtca | gctgcaacca | cttaaacaa | tcaaaggtca | 780 |
| caactccatc | cagatctgtg | tccagagttt | tgaaaaatcg | gaacatggtc | ttagccgca | 840 |
| ccaggcagca | aacgaaattg | tcaaagtcga | ccgccaggtc | gggctccgag | tagcgggtga | 900 |
| tgatgagctc | gtacagcttc | ttgttgagct | tgaagcctgc | cgactcaatg | gccatccgca | 960 |
| tctcgtaggc | actcatgctg | cccgaactgt | ccaggtcaaa | cttccggaag | atggacaggt | 1020 |
| aattccggat | gcggttccac | aggatgttga | actccaccag | gcccagcttc | ccattgccat | 1080 |
| cacgatccat | gaggttcacc | atgctgcggc | acgactctag | gctgaagccc | ttggtccgca | 1140 |
| ggtcctttgt | tttgcctgat | atcctattga | ggattgtccg | caactccttc | acgtgatct | 1200 |
| ccatgtcctc | ccctgccagc | tgctgaaga | gggccttgaa | gttctcgtca | atctcctctt | 1260 |
| ctgagagcac | ttgctcatcg | gggagattgg | cctggatctg | gtcatccagc | tccacagtcc | 1320 |
| cagcactctt | ctctgagaag | aagcgcagca | cgaagtcgcc | ctccttggtg | ggctcgaagg | 1380 |
| tggagggcac | caccacatac | tccccgggtg | gcaggcgga | gcgggtgctg | acctctcgca | 1440 |
| ggttgatgaa | ctgctctgag | cgcgcccag | acgcattggc | caggaagaag | tcacgcttca | 1500 |
| agtgtacggc | cggctggccc | accagctccg | gagggacctc | gtagaccgcg | aagccaatag | 1560 |
| tctccatgtc | gcggccgaag | cgcgctcgc | ggcgacggtg | cttctgcata | agggcgagca | 1620 |
| cgaagctgca | gcctgactcg | cggctcccgt | agtcgtccgg | gtcatccgtc | tcacccagcc | 1680 |
| ggatcttgaa | ctgaggggtt | acccagaagg | tggctgggtg | gtttcggcag | ccccccgagg | 1740 |
| tgctcccccg | ccgccagggt | ccttcgtaga | gtgtggtgtt | ccatttgagg | atggtccggc | 1800 |
| tcttgagggc | gtcgggtgtg | aggttgacga | tctccaggcg | ggtgaactcc | cgcatgaagt | 1860 |
| ctcggaatga | catccagaac | tccccgtcct | ccatcttgac | ccggagctgg | tcccgttcat | 1920 |
| atgggtccac | gttgttccac | tctgaggagc | tgtcgctcca | ggctcccgtc | cactccacct | 1980 |
| cgccccagg | gttccgcatc | cggatcaggc | tcaccacctg | gcctcggtag | ttcacctgct | 2040 |
| tggccccgg | cacagagtag | gcatggccct | tcaccaactt | cttgaaagtg | atggcctcca | 2100 |
| tgctagaaac | gctggagatg | tctatggagc | agcccagcag | ggagccccgc | tccagcgctt | 2160 |
| tgaggatgat | ctggtagagg | tactgggag | ccttgcgcaa | ctcgtaccac | tggtaaccc | 2220 |
| cgctgtgaa | gtcctcaaag | ccctctgagg | tgctgcccc | tgacagggcc | tctagctgc | 2280 |
| catttacctt | ggcataggcc | ttctcaagca | gggcgtcca | gaactcggtg | ccttcggcag | 2340 |
| agtgcacgaa | cactagcttc | ccgtccttga | tgggcagcag | gtcatccacg | accacgtcca | 2400 |
| cccactcccc | aaattgccac | agctggaaat | ggaagatgcc | ggcatagcca | ttctggaagc | 2460 |
| tctggccgtg | cgaaccact | cgggtgcagga | gggtgtcggt | gagagtgagg | gaggcaatgg | 2520 |
| ccgccaagag | ccagcagtc | cccagtgtc | cctggcagat | gtctgtcgcg | gtagctccat | 2580 |
| ccacaatgaa | ctgggggttt | gacagcagtt | ccgtgggacg | cttccacttg | atgccatagg | 2640 |
| tcttgaggga | attgggacct | aggtccttgt | aaccaggct | ctgggggtacc | ggggggaagg | 2700 |
| cctcatcacg | gaagaggggt | ccactctgca | ggcatcgcac | ccgcagctgc | tcataatcct | 2760 |
| ggcccaggta | cttgatggca | ttctcatggc | ggcccaggcc | cagctccctg | gcccgtgct | 2820 |
| tctgcacttg | ggctgacacc | ccagtgcagt | acaccggcgt | gatgatctcc | tccgacatcc | 2880 |
| tgccggacag | atgggcctgc | tcagaaccca | ggccttccca | agactagaac | ctgggctcct | 2940 |
| gcctgcaagc | tctgctctcc | tgcccctgct | tatccatccc | caaacctagg | gtttccctgc | 3000 |
| ctcactgtc | ccctcacaga | agtaggggtt | tcagccacct | ccgggtgtc | ccagtgaatc | 3060 |
| caggaaagg | atttcccagt | tcccaggcgt | gcccggccacc | tctcctttcc | eggatcccat | 3120 |

tgtcaggggc ttgcagctct gacgaaa

3147

<210> 7852

<211> 2633

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (44)...(1021)

<223> similar to gi4929621 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7852

| | | | | | | |
|------------|-------------|-------------|------------|-------------|-------------|------|
| gcgaccgcgt | cggagagggga | ggtggcagcg | gcccgggagg | ccgatgccaa | gccagcgacc | 60 |
| caccatggag | acccgctaca | acctgaagag | tccggctggt | aaacgttta | tgaaagaagc | 120 |
| ggcagaattg | aaagatccaa | cagatcatta | ccatgcgcag | ccttttagagg | ataacctttt | 180 |
| tgaatggcac | ttcacggtta | gagggccccc | agactccgat | tttgatggag | gagtttatca | 240 |
| cgggcgata | gtactgccac | cagagtatcc | catgaaacca | ccaagcatta | ttctcctaac | 300 |
| ggctaattgt | cgatttgaag | tgggcaagaa | aatctgtttg | agcatctcag | gccatcatcc | 360 |
| tgaaacttgg | cagccttcgt | ggagtataag | gacagcatta | ttagccatca | ttgggtttat | 420 |
| gccaacaaaa | ggagagggag | ccatagggttc | tctagattac | actcctgagg | aaagaagagc | 480 |
| acttgccaaa | aaatcacaa | atttctgttg | tgaaggatgt | ggctctgcca | tgaaggatgt | 540 |
| cctgttgcc | ttaaaatctg | gaagcgattc | aagccaagct | gaccaagaag | ccaaagaact | 600 |
| ggctaggcaa | ataagcttta | aggcagaagt | caattcatct | ggaaagacta | tctctgagtc | 660 |
| agacttaaac | cactcttttt | cactaactga | tttacaagat | gatataccta | caacattcca | 720 |
| gggtgctacg | gccagtacat | cgtacggagt | ccagaattcc | tcagcagcat | cctttcatca | 780 |
| acctacccaa | cctgtagcta | agaataacct | catgagccct | cgacagcgcc | gggccagca | 840 |
| gcagagtcag | agaaggttgt | ctacttcacc | agatgtaatc | cagggccacc | agccaagaga | 900 |
| caaccacact | gatcatgggt | ggtcagctgt | actgattgtc | atcctgactt | tggcattggc | 960 |
| agctcttata | ttccgacgaa | tatatctggc | aaacgaatac | atatttgact | ttgagttata | 1020 |
| atatggtttt | gtgacttatg | agctgtgact | caactgcttc | attaaacatt | ctgcattggg | 1080 |
| tataacttaa | gaattgttta | caaaaagatt | attttgtatt | tacccttcat | tccttttttt | 1140 |
| gatccttgta | agtttagtat | aaatataatc | agacattcag | actgtgtcta | gcagttacgt | 1200 |
| cctgcttaaa | gggactagaa | gtcaaagttc | cctgtctcac | tatttgatct | gctttgcagg | 1260 |
| gaaataactt | gtttttttct | atgtttcatc | ttctttttat | gtaaatttgt | aatactttcc | 1320 |
| tatattgccc | tttgaaattt | ttggataaaa | gatgatgttt | taagttccaa | tgagtattac | 1380 |
| tagttactca | ataccactta | ttgagtactc | tgtttctacg | tatgtagaat | gtatagggat | 1440 |
| agaagagttg | aaaagggaaa | gcaaaactcc | tcaagtagct | tccttaaaat | gtcattcata | 1500 |
| ggagatgtac | tggattgtct | cattctgtga | ctttatttgt | gtcctaaca | ttcttcagtg | 1560 |
| aaaataattt | tatttcagtc | aaacatttat | gaggaaatga | gatcacatct | ttgtcactgg | 1620 |
| atgctacttg | aagagggagt | actttgtaac | cactttgata | tgctgttatc | accaccccct | 1680 |
| gccctctgct | gccataatca | cacaaattta | aaaagaaaga | aaacagtctt | ccatagattt | 1740 |
| ttaaggaaga | aagggcccaa | gccaggagat | cgcttggttt | tcttccagaa | gttaaattggg | 1800 |
| gggatctgaa | gatttgaatg | tttgggtctgc | tttgaaatgt | atgtcttttg | ggatgtatta | 1860 |
| tatgcctagc | tttataatca | gtataaaattt | taattattcc | aggaatatgc | ataatattga | 1920 |
| aatatttcat | gtcctatttt | aatagaaaac | ctcagggccc | aagtaacagt | gatagaagtt | 1980 |
| agaaaaacct | ttacttagaa | ttgtccacct | agtcagagcc | caagaaagaa | ttttcagtg | 2040 |
| aaaaatcaat | atataactta | gtgctagcta | gcgccacaga | ctctagtaga | taatattatc | 2100 |
| atcataatgg | ctggtgaaac | catataatca | cagaaaaaca | ttgccttcag | catgttcagt | 2160 |

| | | | | | | |
|-------------|------------|-------------|------------|-------------|-------------|------|
| tcgcagcact | gagggcactc | ttgaggggtgt | tgtaaataaa | gatttaattt | ttaaataacag | 2220 |
| gtgggttccaa | gctttcaa | aggttatgct | ccaaaagtgt | tatttgtaag | ttattttttt | 2280 |
| tacaagtcaa | acaatgttgg | aagtggattt | taggttctag | atcggtccac | gaaagtttagc | 2340 |
| ccatatgtat | atcttgaata | gtatagggga | gggtattcat | aaagtcctta | tgtgggtttta | 2400 |
| actaagtga | attatggaca | agagaaataa | ttgtaaaatc | gtcttaaagg | aaaatttaaat | 2460 |
| ttttactcct | gtttatggga | cattcgttct | attaactgtc | agacacaatt | tctgttttca | 2520 |
| tctgagagcc | agttttcctt | tatttctaca | tctaaaataa | gaacatattg | tacactatta | 2580 |
| tataatacag | aattgtctta | aactttaata | aattcgcatt | ttaaagggtga | aaa | 2633 |

<210> 7853
 <211> 649
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (187)...(536)
 <223> similar to gi2138334 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

| | |
|------------|-----|
| <400> 7853 | |
| cgaggcgagg | 60 |
| caacccgcta | 120 |
| tccatcgag | 180 |
| gagcccgaga | 240 |
| gttaaagact | 300 |
| gaagaaatgc | 360 |
| atgggatttg | 420 |
| ggagtattca | 480 |
| gttttcatga | 540 |
| atgaatcttt | 600 |
| tgtaaataat | 649 |

<210> 7854
 <211> 2595
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (347)...(926)
 <223> similar to gi4884079 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 7854

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|------|
| tttcgtccgc | caatggcaga | gctcccatcg | cagagcctgc | gggttagggt | gtgaggcccg | 60 |
| ggccgggggc | ggggaggagc | caagggggcg | agcaagctcg | gtggctgggt | gggttggggc | 120 |
| gttccgcgcg | cccttcattg | aagcggcggt | ggccgggctg | ggcgccggta | gtggaaagcg | 180 |
| acggcgcggc | tggaaaatgc | cagtccattc | ccgaggggat | aagaaggaga | ccaacatca | 240 |
| cgatgagatg | gaggtggact | acgccgaaaa | tgaggggagc | agctccgagg | acgaggacac | 300 |
| tgagagctcg | tcggtctccg | aggatggaga | tagctcagaa | atggatgatg | aagactgtga | 360 |
| aagaagaaga | atggaatggt | tgatgaaat | gtccaatctt | gaaaaacagt | ttaccgatct | 420 |
| caaagatcaa | ctttataaag | aacgattaag | tcaggtggat | gcaaaactac | aagaagtcac | 480 |
| agctggaaaa | gcaccagaat | acttggaacc | gctggcaact | ttacaggaaa | atatgcaaat | 540 |
| tcgtacaaaag | gtagcaggaa | tctatagaga | gctctgctta | gaatctgtaa | agaacaaata | 600 |
| tgaatgtgaa | attcaagctt | ctcgccagca | ttgtgagagc | gaaaagctgt | tgctatatga | 660 |
| tacagtccag | agtgaactag | aggagaagat | aagaaggctt | gaagaggata | ggcacagcat | 720 |
| tgatattacc | tcagagctgt | ggaatgatga | gcttcagtc | agaaaaaaga | ggaaggatcc | 780 |
| tttctggcct | gacaaaaaga | agccagggtg | tgtttcagg | ccatatatag | tttatatgct | 840 |
| acaagatctt | gatattcttg | aagactggac | aacaattagg | aaggcaatgg | ctacattggg | 900 |
| gccacacaga | gtgaaaacgg | aaccacctgt | gaaactggaa | aaacatctgc | acagtgtctag | 960 |
| atctgaagag | ggaagactat | attatgatgg | tgaatgggat | atacgtggac | aaacaatatg | 1020 |
| tattgataaaa | aaagatgaat | gtcctacaag | tgctgtaatt | acaacaatta | accatgatga | 1080 |
| agtttggttt | aagaggcctg | atggaagcaa | atctaagctt | tacatttcac | agctacagaa | 1140 |
| aggaaaatat | tcaattaaac | attcataatc | atgatttaag | tgttatctaa | atttacctta | 1200 |
| ttagtgttac | caaatgtaag | tgccatgaga | gtaaaaaaat | gtattcaata | acttaatat | 1260 |
| ctcactgaat | catgagagaa | tgtgtatttg | taggtagtac | tctaaataga | tctcattgat | 1320 |
| atgttattaa | aagaaacagt | aataaaaaat | ttatcacgat | ccttacgttg | atttgcctct | 1380 |
| taggtccgat | gaccaatagg | tattctgtat | atggtagggg | tttctttcta | aacatttttc | 1440 |
| tttggtttta | aaaaaagtta | tgcaaatttg | tcttatcttt | agtaaaactat | gactacattt | 1500 |
| atctgcaatt | tttaaaat | tccatatctt | tgctattcat | tgtgtgtttg | taaataaggc | 1560 |
| cgataggaat | gtttcctata | aatggtttgt | actagtacat | tagtgttaaa | ccagaactga | 1620 |
| aatttaaaaa | tatatatata | tgaggatgta | tatatggcat | catcagctta | tttagaactg | 1680 |
| atggccatac | cttacaatct | tgttttaccc | aaaattaaagc | tattgggggt | gaaagctaaa | 1740 |
| aggagcactt | ttgtagaata | gcaacttttc | ttttcctctt | tcttgattgt | atgggtgggg | 1800 |
| ggtgacctat | ttttacaaat | tataccta | gagtaaaat | agtgtaaagt | gataacatgc | 1860 |
| ttctacctgt | atttctagt | accctttagc | ggcagggtatt | tatacctgg | atttatgatg | 1920 |
| cagtatatata | gtggtgaaca | ataactgaca | gtattgtgct | tgctgtacat | gtctggctct | 1980 |
| ttgaaacaga | tttttagtaag | cattttccag | aggtaaaact | gtgtccttat | tctaatttta | 2040 |
| ttcctagggc | aaagtagaca | gggattat | ccttgaatct | atttccaaat | taatattttt | 2100 |
| ttcttttgta | tttctacact | ttaaggccat | ttggtgcaat | ttagaaagt | ttggcctccc | 2160 |
| ttccgctagc | cacattcaaa | attaacttcc | aaaacctcag | gaacagtaca | aagaattgaa | 2220 |
| accctcaata | tggcagcaca | gccggctgta | gtgtatat | agggtacacc | aaatcaggta | 2280 |
| ttcctggtgg | tcttggtcac | tttaatttct | gttacaatga | gttaagagga | tgaggaagaa | 2340 |
| atctacttat | taacacttac | tgcaaaaatg | tctgcattat | tccgtttgtt | ttcttattat | 2400 |
| tttacctctc | caaacatctt | cctgtgcaga | tcactacttc | atagttgcca | aattttaaaa | 2460 |
| cacttaactg | ctgaaattca | gtgtcagcaa | agtgatatta | cgttggtctg | tttctaatta | 2520 |
| accttagcaa | atgtacataa | tgtcaaaacc | caatagtatt | tgacagtact | tatgtatata | 2580 |
| atgtttgata | agcat | | | | | 2595 |

<210> 7855
 <211> 1106
 <212> DNA
 <213> Homo sapiens

<220>

```

<221> misc_feature
<222> (221)...(841)
<223> similar to gi309225 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7855
acggaagtgc aggaacatTTT cacaatcta caatctgtga gtatcacatc ctgtatagct      60
gtaaacactg gaataaggaa gggctgatga ctttcagaag atgaaggtaa gtagaaaccg     120
ttgatgggac tgagaaacca gagttaaaac ctctttggag cttctgagga ctcagctgga     180
accaacgggc acagttggca acaccatcat gacatcacaa cctgttccca atgagaccat     240
catagtgtc ccatcaaatt tcatcaactt ctcccaagca gagaaacccg aaccaccaa      300
ccaggggcag gatagcctga agaaacatct acacgcagaa atcaaagtta ttgggactat     360
ccagatcttg tgtggcatga tggatttgag cttggggatc attttggcat ctgcttcctt     420
ctctccaaat tttacccaag tgacttctac actgttgaac tctgcttacc cattcatagg     480
accctttttt tttatcatct ctggctctct atcaatcgcc acagagaaaa ggtaaccaa      540
gcttttggtg catagcagcc tggttggaag cattctgagt gctctgtctg ccctgggtggg     600
tttcattatc ctgtctgtca aacaggccac cttaaatcct gcctcactgc agtgtgagtt     660
ggacaaaaat aatataccaa caagaagtta tgtttcttac ttttatcatg attcacttta     720
taccacggac tgctatacag ccaaagccag tctggctgga actctctctc tgatgctgat     780
ttgactctg cttcctggga gtgtactttt cctgcctcac agttacattg gtaattctgg     900
catgtcctca aaaatgactc atgactgtgg atatgaagaa ctattgactt ctttaagaaaa     960
aaggggagaaa tattaatcag aaagttgatt cttatgataa tatggaaaag ttaaccatta    1020
tagaaaagca aagcttgagt ttcctaaatg taagctttta aagtaatgaa cattaataaaa    1080
aaccattat ttcactgtca tttaaa                                     1106

```

```

<210> 7856
<211> 1911
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (503)...(1520)
<223> similar to gi3688370 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7856
gttcgacgcc cgttgtaccg aaccggaatt cccgggtgcag accccgcgct cggtttgagg      60
ctgagccgct gagaggctga gtggagttca ctcacatgga ttgaggccca gttcctggga     120
gaagagatgc tgggcaggaa ggtgtctgca tgtgggactc tgtacagccc ggtcctctcc     180
cacatctggg aggggccaaga gtcagacaac tgctgggttc gtccctaaga gaggtcatct     240
gactggctgt tcagcctagg ctgcacacac cccactttc ctctaccagg ccacaccgga     300
ggcagtgtc acacaggcaa gctaccaggc cacaacaacg acaccacct cacctctggc     360
acctctgagc atccacgtac ttgcaagaac tcttgctcac atcagctaag agattgcacc     420
tgctgacctg gagattccgg cctgtgctcc tgtgctgctg agcagggcaa ccagtagcac     480
catgtctgtg actggcggga agatggcacc gtcctctcac caggagatcc tcagccacct     540

```

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|------|
| gggcctggcc | agcaagactg | cagcgtgggg | gaccctgggc | accctcagga | ccttcttgaa | 600 |
| cttcagcgtg | gacaaggatg | cgagaggct | actgagggcc | attactggcc | aaggcgtgga | 660 |
| ccgcagtgcc | attgtggacg | tgctgaccaa | ccggagcaga | gagcaaaggc | agctcatctc | 720 |
| acgaaacttc | caggagcgca | cccaacagga | cctgatgaag | tctctacagg | cagcactttc | 780 |
| cggcaacctg | gagaggattg | tgatggctct | gctgcagccc | acagcccagt | ttgacgccc | 840 |
| ggaattgagg | acagctctga | aggcctcaga | ttctgctgtg | gacgtggcca | ttgaaattct | 900 |
| tgccactcga | acccaccccc | agctgcagga | gtgcctggca | gtctacaaac | acaatttcca | 960 |
| ggtggaggct | gtggatggca | tcacatctga | gaccagtggc | atcttgcagg | acctgctgtt | 1020 |
| ggccctggcc | aagggggggc | gtgacagcta | ctctggaatc | attgactata | atctggcaga | 1080 |
| acaagatgtc | caggccctgc | agcgggcaga | aggacctagc | agagaggaaa | catgggtccc | 1140 |
| agtcttcacc | cagcgaaatc | ctgaacacct | catccgagtg | tttgatcagt | accagcggag | 1200 |
| cactgggcaa | gagctggagg | aggctgtcca | gaaccgtttc | catggagatg | ctcaggtggc | 1260 |
| tctgctcggc | ctagcttcgg | tgatcaagaa | cacaccgctg | tactttgctg | acaaacttca | 1320 |
| tcaagccctc | caggaaactg | agcccaatta | ccaagtccctg | attcgcaccc | ttatctctcg | 1380 |
| atgtgagact | gaccttctga | gtatcagagc | tgagttcagg | aagaaatttg | ggaagtccct | 1440 |
| ctactcttct | ctccaggatg | cagtgaagg | ggattgccag | tcagccctcc | tggccttgtg | 1500 |
| cagggctgaa | gacatgtgag | acttccctgc | cccacccccc | atgacatccg | aggatctgag | 1560 |
| atttccgtgt | ttggctgaac | ctgggagacc | agctgggcct | ccaagtagga | taacccctca | 1620 |
| ctgagcacca | cattctctag | cttcttggtg | aggctggaac | tgtttcttta | aaatccctta | 1680 |
| attttcccat | ctcaaaatta | tatctgtacc | tgggtcatcc | agctccttct | tgggtgtggg | 1740 |
| gaaatgagtt | ttctttgata | gtttctgcct | cactcatccc | tcctgtaccc | tggccagaac | 1800 |
| atctcactga | tactcgaatt | cttttggcaa | acttcgctgt | tgtttgtgtt | ccctgattga | 1860 |
| aggttgggtg | gagcaggaca | tggaccggac | gaattcgtct | acccgggaat | t | 1911 |

<210> 7857

<211> 2009

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (308)...(751)

<223> similar to gi4583307 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7857

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|------------|-----|
| gtggggaatt | ctggcggttc | atgtttgcag | gccggaagag | aaatgttctt | ttttgatttt | 60 |
| taaaaaggaa | gcctccggcc | ctatggtttt | ctggggttgg | agtggatgtg | tgtgctgggg | 120 |
| gaggcggaga | cgtcccgtc | caggcagggc | cttgggtctt | aataggtggg | gaaatctctg | 180 |
| ccaaatagga | ggcctctcgg | agcctcagtt | tccccatctg | cagactgggc | tctgacttct | 240 |
| tctggcatga | gaggggtgtg | gagagtaaaa | ggaggcagct | agccccgtgc | cgggagacac | 300 |
| gtcagccatg | tcactctgagc | ctccccacc | accacagccc | cccacccatc | aagcttcagt | 360 |
| cgggctgctg | gacacccctc | ggagccgtga | gcgctcacca | tccccctctg | ggggcaacgt | 420 |
| ggtcccaagc | ccactgccca | ctcgccggac | gaggaccttc | tcggcgacgg | tgcgggcttc | 480 |
| acagggcccc | gtctacaaag | gagtctgcaa | atgcttctgc | cgggtccaagg | gccatggctt | 540 |
| cattacccca | gctgatggcg | gccccgacat | cttctctgcac | atctctgatg | tgggaaggga | 600 |
| gtatgtccca | gtggaaggcg | acgaggtcac | ctataaaatg | tgctccatcc | cacccaagaa | 660 |
| tgagaagctg | caggccgtgg | aggctcgtcat | cactcacctg | gcaccaggca | ccaagcatga | 720 |
| gacctggtct | ggacatgtca | tcagctccta | ggagatggtg | gaagcacccc | ttgtcctgtg | 780 |
| cttgtgggag | actttgcggg | gaggaggcag | cagacactgg | agatgacatt | cttccacacg | 840 |

| | | | | | | |
|------------|------------|-------------|------------|-------------|-------------|------|
| agacggggct | tcagccgggc | atgggtccctc | tcaagtatct | cctggaggaa | ggggtatggg | 900 |
| gggcaggtgt | ggggtgtggg | gtgttcccgg | ccatcagcac | agcctatgac | cattgcaaca | 960 |
| acctctcacc | atctgaagag | cattaaaagc | atttaaaaag | gagagggtgcc | cactgggtggc | 1020 |
| tgagtggagg | ttccaacccc | atcccaggga | gtggatcaag | ggtggatatt | ctccagctgc | 1080 |
| tcagacacat | gggctcaacc | cacagaatcc | ctcttcctcc | tggagctgga | ggccccagat | 1140 |
| tcccagatct | ggccccctgg | cagcctgaca | gggaccttgc | gtgacttctc | caaggcaaat | 1200 |
| ttccacctaa | gtgccccctg | cgctctcct | ggggcctggg | caaagcagtt | ttctaattct | 1260 |
| tggcttgggt | ggttctaggg | gagctggctt | gaagtggggg | gggaaaggcg | ggggtggcgg | 1320 |
| tctttggatt | ggacggatgt | tgctttttgg | tgcttttgca | gtgggaggcg | gcatagctgc | 1380 |
| ctgtctgggg | aagacagttc | tcccagcact | ccccccctg | ggcacagcag | gctgggtactg | 1440 |
| ggaggctgaa | cccccttag | agcctgacct | tttcatctgc | cttctggttg | tgtgaccatc | 1500 |
| actcaacagc | catttcacag | ccccgtaat | tatggcggcg | gggggctggg | gtggtgggtg | 1560 |
| tgggaagggc | ttgtggagag | gacacagtct | ttgtttaaaa | actttgtccc | gatccatcca | 1620 |
| gaaaagagta | ggtagcttgc | atcctgacag | cctggcaaag | tcaagaaagt | tgaaggagaa | 1680 |
| acataccttt | ggagaggggg | ttttctttta | aactagtgtt | aagaaatgct | tagggatttt | 1740 |
| ttttttctta | tttttcataa | ctaaagcttt | caccagagc | cggtctgtgt | tgcactttgc | 1800 |
| tgccgacatt | gcaaactttt | tggcaggggg | ggagactgag | tctcattctg | tcaccagggc | 1860 |
| tggagtgcag | tggcccgatc | tcagctttac | tgcaacctct | tgccctccag | ggttctgggc | 1920 |
| aattccgcct | cagtctcctg | gagtaggctg | gggattacag | ggcatgcgcc | accacacccg | 1980 |
| gttaattttt | gtatttttag | taggagaca | | | | 2009 |

<210> 7858

<211> 2795

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (396)...(947)

<223> similar to gi474827 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7858

| | | | | | | |
|-------------|-------------|-------------|------------|------------|------------|------|
| ggtagggagg | ccgactgagc | aggagtcgtc | cgcttatagt | ggaggctgct | aggagccggt | 60 |
| cagaggggtga | gtggggagca | ggcgagcgag | ccacagcagg | caggagggag | cgtcgcgcgg | 120 |
| cgagaggagg | cgccggggca | gggcccgggc | ggaaccacag | ccggagaggg | gcagcccag | 180 |
| ccgggcgcgc | cagggctccc | acccccaccc | cgccggacag | tgcccgggtg | tccccgtgc | 240 |
| ggggggggcgg | cggcgggcgc | tgacggggacc | gtcgggaccg | cggggggtgt | gccacctcca | 300 |
| ccgaggagcc | ggcgcgcccg | cgggctcctc | agagccgggg | ccccggggcc | gtgagtcaga | 360 |
| cgggccgagg | aaggggagaga | ggcggtggcg | acaccatgtc | atctcccagt | ccgggcaaga | 420 |
| ggcggtatgga | cacggacgtg | gtcaagctca | tcgagagtaa | acatgagggt | acgatcctgg | 480 |
| gaggacttaa | tgaattttgt | gtgaagtttt | atggaccaca | aggaacacca | tatgaaggcg | 540 |
| gagtatggaa | agtttagagt | gacctacctg | ataaataccc | tttcaaatct | ccatctatag | 600 |
| gattcatgaa | taaaattttc | catcccaaca | ttgatgaagc | gtcaggaact | gtgtgtctag | 660 |
| atgtaattaa | tcaaacttgg | acagctctct | atgatcttac | caatatattt | gagtccttcc | 720 |
| tgcttcagtt | attggcctat | cctaacccca | tagatcctct | caatggtgac | gctgcagcca | 780 |
| tgtacctcca | ccgaccagaa | gaatacaagc | agaaaattaa | agagtacatc | cagaaatacg | 840 |
| ccacggagga | ggcgctgaaa | gaacaggaag | agggtagccg | ggacagctca | tcggagagct | 900 |
| ctatgtctga | cttttccgaa | gatgaggccc | aggatatgga | gttgtagtag | aaaaagcacc | 960 |
| tgcttttcag | aaagactatt | atttcccta | catgagaagc | agactataat | attcatattt | 1020 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| aaacaaagca | atTTTTTTTta | ttactaaaca | aggTTTTtTat | gaataatagc | attgatatat | 1080 |
| atatattata | tatcaccctt | tagatcttga | tttcttggtc | atttctcaac | ctgaggtgca | 1140 |
| tagcatattc | ccacattcca | tttggtagca | atatgcggtc | tgaatgcatg | cattcatgag | 1200 |
| tccatgtggc | caagtccagc | tgtgtgctac | tgaactgtcg | aaggaaatag | ccgctctgat | 1260 |
| aggtagatgt | gagtaaaaaag | aacaggaaaa | aattgcttct | tttattgggt | tccaaagaaa | 1320 |
| caaaccaaac | caaccagctc | ttggatgtga | agataaaata | gtgctTTTTt | gaaatggaga | 1380 |
| ggaaaaactt | ggggaggaag | aggcctgctg | tgggggcctc | ggagccagcc | atgtaagaat | 1440 |
| cagagctgct | ccttcctgtg | aatcctaggt | ggccctatgt | cttctgtgga | gttacagtat | 1500 |
| aaagcagggg | gctaattaag | agtattaaaa | cttaaaacca | TTTTTTgact | ctgattTTtaa | 1560 |
| gtacattttt | atatgtcagt | tgtgcctt | cacactacca | ggccctgcag | ccacagtgtt | 1620 |
| ctgttgagga | aacttgggga | agtgttttct | gaaccagttc | TTTTtcttgg | ggtagagcgt | 1680 |
| gaaatccaga | cctgtTTTTt | aaaggacagc | acaggaggag | aaaagtgact | gggacgatgc | 1740 |
| ttcctctcat | ccaaaacaca | tgcagagtca | catcctcatc | ctagtgtttg | gcagtTTtgag | 1800 |
| accgctaccc | tgaacttaag | agctTTtaaat | atgagggttg | tgttttctgg | gggggggttat | 1860 |
| TTTTTTgggt | gtgtgtgtgt | gtgtattgtg | ccttagaaaa | ggtttgcaga | attcatcttc | 1920 |
| acctaccaag | agcagacggc | cgcctccttg | gccaagccg | ctcatgggac | cattagactt | 1980 |
| gagaagacga | cccacgtggg | gactgcaaag | ccctgggtac | ttgccttcat | gttctgggtt | 2040 |
| ggTTTTccct | TTTTctgctg | ctcttgccag | cagcctgggc | atcatctgct | tgtgggagtg | 2100 |
| ggaaatgggt | atTTtagacc | caacacaggt | tctaaattta | aaacaaataa | taattggaac | 2160 |
| aaataaaggt | tcttgtaccc | agagtgattc | tacatgggaa | aaacaaacca | gctTTTTtca | 2220 |
| gagagtgacc | gaataggaag | aagggtattca | gaaatatgat | gtagtagaac | atgccctgca | 2280 |
| ggaagaaaat | gttttctctc | ctgcgtatgt | taaggagaaa | tcagtTTtaaa | atgccctgcta | 2340 |
| atcaaagtgc | gactcagcta | accatatgtc | caggttgctg | cagagtTtct | ttcaaattctg | 2400 |
| agtgttgcc | gctgaactcg | gaggggagtt | tggagaaatt | ttagacagca | gctctgtgtt | 2460 |
| ctTTTTttgc | cgcagccaat | aagataatag | cagaattagc | caatcctaaa | accttctaaa | 2520 |
| gacgattttt | ctgcatccca | ctgggattat | ttaatttttc | TTTTtgacgt | gtgtTTTTtag | 2580 |
| TTtagaagtg | ctgtattcca | caaggTTtaa | gtcagtgagg | ttggaagata | ccctatcttt | 2640 |
| TTtattcaaa | aagcacaaatc | aatctTTTTgt | ttgaaaatct | atataaagta | caacttgctt | 2700 |
| TTtagcatgat | tattttccta | aataaaaaaga | caaagaattt | acttacttta | tgttaattac | 2760 |
| gggcatgaag | caaaagggtt | tctTTtaaaaa | aaaaa | | | 2795 |

<210> 7859

<211> 3566

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3087)...(1606)

<223> similar to gi5901651 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7859

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|-----|
| TTTTTTTTTT | ttagcactga | tggctTTTTat | tgcagattcg | tgtcattaca | aggataatct | 60 |
| gggaatatat | TTTTaaaaaa | accctgcctt | ttatatacac | aaaacatgct | acatggtaca | 120 |
| ctttgtgaga | aatgctgagg | taataggcac | acaccagac | atggacagta | ccaaacatcc | 180 |
| aacatctcac | acagcctggc | ccacgtgcc | accgggaagg | gtctcacctt | cttgactcat | 240 |
| cccttgcccc | ttcttgcaa | tagtcccggg | agtgtgagg | ctgacacttg | gtggccaaca | 300 |
| ggactcagaa | agccaccatg | ctgcagtgca | tcaaccaagg | ggtccggtga | cccctgatta | 360 |
| ttcaactcct | gagaagtggc | ctgttttcat | TTTTgtggca | cttgttctcc | agggaagtgt | 420 |

| | | | | | | |
|-------------|------------|------------|-------------|------------|-------------|------|
| agtttggaga | tgagatgcgg | actctagtca | gcctgagagc | gtggaatctc | tggctctgtag | 480 |
| ccatctgggg | gctctgatga | tctgatgact | tctgttctga | gataattctc | ctggccagat | 540 |
| aggttattat | ttgtgtgaag | actcaaatga | cctgtagggt | aaagtatgaa | tggaagatac | 600 |
| aaaactgcga | gtacattatc | tatacggccg | gtggagcttt | tggcctggcc | ttcccttccc | 660 |
| aaccagaaac | ctggagcccc | gagtgtttcc | tactcagaag | ctgaggaatc | tgcctggaa | 720 |
| agaaggggct | gtgcgacaga | aaaggcaagg | agtaggtagg | cgaggagtag | agcagagcgg | 780 |
| aaagggggcc | ttgaactgca | gtgagtggcc | agggactgac | acacagaagg | cacttaatga | 840 |
| atggtgtcaa | atgaagggat | aagtgggtga | tggatggtga | aaagtcctga | gaatggggaa | 900 |
| aagtatgaaa | atgtgggggg | agggattttg | aaatttgatt | aggtgccaaa | aggggttctt | 960 |
| aagaagctgg | gaacctctat | gtgagagatt | agcattgtag | acattctgga | agaatccagg | 1020 |
| cacacagatg | ccaagggtga | tcctttcagt | tgagaccaca | cagtctgtga | tctaccctta | 1080 |
| gactcaagta | atacaacact | aatgaaatgc | ttttctccta | agagcaaagc | tgctggtgac | 1140 |
| agcttcaaca | tctgagaact | gaatatatgt | gtatttaggt | atctaaggca | aacctatata | 1200 |
| tggatctaga | tatatcacat | gtgatgtata | tctaaatgca | tatatatgtg | gtatacacat | 1260 |
| acgtgcacaa | gggaggctca | tacacatgta | tattatgaag | gtactttgca | gttgtgtttt | 1320 |
| tattgtagag | acttaattta | tttaaagaaa | gagttgtctg | tagtctctgc | ctgtcctgga | 1380 |
| gacatgaggg | gctgtctggt | gtgaaggaaa | gtaggaggta | cagaaaacac | cgtatcgatt | 1440 |
| cagttccatc | atccgctgca | gtgacttcgg | aaaacagaat | ccagcattcc | cggctctccc | 1500 |
| agcctcagga | tgaactgagt | gaggagtgtg | tctttgtgct | gtggccagcg | tgaccagggg | 1560 |
| gggtcctctg | caatggccac | gagaggtcag | gagggggagc | tggcttagtg | gaagggtgtg | 1620 |
| gggttcggtc | ggatcatcat | caccactttc | ttgagtgagt | aagagcctcc | tcggaactca | 1680 |
| gccagtaga | ctccgtcctg | gtageggctc | cggtaatggc | ccccgcggtg | ccagaccccg | 1740 |
| ttgaggttgg | agtgggcaca | ggcgttatcc | caccagcctc | ccttctggtg | gtgggcacag | 1800 |
| tttctgtgtg | agacatcatg | atctctgtcc | aggggtggtg | actgcttgcc | gttgtgccat | 1860 |
| gtaaaggagt | caccgcatt | gccatggtag | cgccccagcc | gcagcttata | atactcgctc | 1920 |
| tcaggttcca | ggcggaaact | ggcgtattct | gcaaagactt | tgcggccgga | ccagtcctcc | 1980 |
| atggtcacca | ggagtgtgta | gttgcccttg | ttcgtcagcc | agtaaatgtt | ctccaggccc | 2040 |
| agccagtatt | cgccatcaat | gttcccaaac | ccttgcttgt | acgtctccca | gttctgaag | 2100 |
| aagttaacag | agccatccag | gcgtctctgg | atgacggctc | agcccccg | gtcgtgtctc | 2160 |
| tggctgcacc | acacctgcat | gaggcggttg | gtgttttccg | gcttcaccag | gtagatggag | 2220 |
| ctgggtgctg | ggccatcctc | cagggcctgc | aggcagctc | tccatggg | cgacggcttg | 2280 |
| tcgggtggaag | atgggaggct | ggtgagagt | ggcatagtgg | gcagaggggg | tggcagcacc | 2340 |
| ttcaggttct | ggtcactctg | gatctcgttg | gtagagatct | ggttgatgat | gcggttgtag | 2400 |
| gtgggtggtt | ggtagacc | gggcggggca | gcgggggggtg | gctgggggac | gggcctggcc | 2460 |
| gagggcaccc | tctggcagtg | ctcctcaagc | tgcgcgatga | tctctgattg | gttgtggg | 2520 |
| agtgtggcca | ggtgctggtg | cttgtgctcc | aggtccttgt | acttgtctgg | cagctgcagc | 2580 |
| atgtcggctg | tctggttcag | gatcctgttc | tccagctggg | agagctccaa | cgcgttgtcc | 2640 |
| cgcttgcgga | tgatctcgtg | caggagctgc | atgtagagct | gcgtgacc | cgagttcatg | 2700 |
| ttgcggctct | ccttgccag | cagcttcacc | tcgctcacia | tgcgcgctc | cacctccacc | 2760 |
| agctgtgca | gcgtctcgat | ctgccgcttc | tgcttgagca | gctcattgtt | gagcagctct | 2820 |
| agctcctgct | tatgcactcg | gttctccaga | agcacctcag | gctccttgga | gttgacgcag | 2880 |
| atggcacccg | tgaccgctg | ctggggcaca | atgaagggtg | aggtgcactt | gtcctgggac | 2940 |
| tcgcccggcc | gctgtacct | gtttaggtaa | atgaactctc | ttggcgagcc | ctcctcagtg | 3000 |
| ccctcaaaac | cgtcctcctg | gcctgcaaca | gctcccatgg | cagccagcag | tccgagccac | 3060 |
| cagcatgtca | cgcacagtgg | cctcatggtc | cttgcaaaat | ggtggttatt | ctttgtgaat | 3120 |
| agaatctatg | aaagcctctt | ccctcctgct | tggctccggg | gcggctcctc | acatgcttca | 3180 |
| ccctggccgt | cagcggggca | gcctgtccat | ggcctctgga | ggggttcctg | agttgcaggc | 3240 |
| cggtggctgc | caagcagccc | tgctcactg | ggctccactg | gctctgcctc | cacagagggc | 3300 |
| tccggcagag | gctggggcca | gggctggcca | ggggctcctg | ggggctgctc | acaaccttct | 3360 |
| ttccctcaca | gtagcgtcag | ccgctgcctc | agtgccacgc | tcggcaggtc | cagggttg | 3420 |
| ggtccatcct | caggccgtcc | gcagcagcct | catttgaact | cccaactcct | ttgtggagcc | 3480 |
| tttacatgcc | gccagaggaa | actgtgagca | cagcctgacc | ctggttggct | gcaggcgctt | 3540 |
| ctctccccga | aatcgtcgac | ccggga | | | | 3566 |

<210> 7860
 <211> 1565
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1566)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (648)...(1286)
 <223> similar to gi868241 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 7860
gattcgtaga ccctagtcca gagcgggtgga attcctgcac .tctggcctgg gcaacagagc      60
gagactctgt ctcaaaaaaa gaagtcctgg cgcggtgggt catgcctgta atcaaaacac      120
tttggggaggc cgaggcgggc agatcacctg aggttgggag ttcgacacca gcctgaccaa      180
catggagaaa gcctgtctgt actaaaaaca caaaaatta gccaggcatg gtggcacatg      240
cctgtgatcc cagctatttg ggaggctgag gcaggagaat tgcttgaacc caggaggcgg      300
aggttgaggt gagctgagat cacgccattg cgttccagcc tgggcaacaa gactgaaact      360
ctgcctaaag aaaaaaaaaa aaaggcagct aggaatagta aaaagaatat tggttttaga      420
actcactactg ccacatcttg attcctgcac aatctcttat tagttgtgat ttttaacatc      480
tttgtggttg ttttcacatt tttaaagtga agagatagca cgttcattgt agagatttgg      540
ggattagcaa taacacagtc aggtctctag cacatactat gtattcaatg attggtggct      600
aatatttttc cttcacaaaa tttgggccta ctccactgga ctccctcaggg aagaaggaga      660
aagggccaac ccctgaagaa gcaatacaga aactgaagga gacagagaag atactgatca      720
agaaacagga atttttggag cagaagattc aacaggagct acaaacagcc aagaagtatg      780
ggaccaagaa taagagagct gccctacagg ctttgcggag gaagaaaaga ttcgaacagc      840
agctggcaca aactgacggg acattatcca ccctggagtt tcagcgtgag gccattgaga      900
atgccactac caatgcagaa gtccttcgta ccatggagct tgctgcccaa agcatgaaga      960
aggcctacca ggacatggac attgacaagg tagatgaact gatgactgac atcacggaac     1020
aacaggaggt ggcccagcag atctcagatg ccatttctcg gcctatgggc tttggagatg     1080
atgtggatga ggatgaactg ctggaggagc tagaggagct ggagcaggag gaattggccc     1140
aggagtgtgt aaatgtgggc gacaagggaag aagaaccctc agtcaaattg cctagtgtac     1200
cttctactca tctgccggca gggccagctc ccaaagtgga tgaagatgaa gaagcactaa     1260
agcagttggc tgagtgggta tcctgatnaa aatctgggct tgtcttccta atgcctaccc     1320
tttgttggtc cctttccttc ccttaagtgc ccaagtgtcg agctaaagga ggataacttt     1380
ttggggaaagt catgctgagg gtggtagtgt gaccctgcct gaacaaaagg gtctcttacc     1440
ctcccagccc tggctcaact ctgaagaagg atcttgctac agaaggagcc cttgggctcc     1500
cttctctttg atagcagtta taatgccctt gttcccaata aaactgggca gatggaaaaa     1560
aaaaa                                           1565

```

<210> 7861
 <211> 2833
 <212> DNA
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(2834)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2758)...(2085)
<223> similar to gi2570007 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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<400> 7861
tttttttttg aggaattatc tacagaacac tgtttatttc aagtccaaaa cacaattac      60
tcatttttct taacagaccg cataattttt actgcatgaa tatttagggg ttctctattc     120
acaagtacag tttattacta gacttttaggc ttgaatgatt catatatata gatatacagtt     180
tactacagag gacatgtact tttaacattt tttgtttaga aaatatttta cataaaaaaca     240
caaagcattt accaaccact cacaaccagt cttcagcaaa gatttggctg aagataactt     300
tctacaaaac actccaagac tgaatagaat gtagtatttt acatacttta gcttattggt     360
gcagttaaaa gctccccctt gtttgatggc ttctgcatgt atctacaaag cagaagtctt     420
aactgggtgac ctgttaaata acattgcctt tttaaagtga cttgtcccca gcccggaacc     480
taagtagtca taatgaaata aagtaattga tatatgaggg gcttttagta agggcttttt     540
caacctaata aaataataat ttagtatcta tcagtgcatt attccttttac tgttttgtgt     600
tcaataacca cctggagtgct taattgtcta gtataatcag ttggcatcaa aatagaaagt     660
aaaaagatgt acatttaata taccaattct tacctgaata atcttggatt tctggagaat     720
gttccacaaa gtggaatttc ttcctaaagt tatgctgaat gtggtacaat gtgtacaact     780
tggttaacca gtgctgctt ttcatttcca agatttttcc ttatcttgaa tcaaattgcac     840
aatcttacia ctgtatcata atgcactggc ttacagtctt gtatataaag tccaactcaa     900
gcttattttg gtttattgta catgctttat taaaatggta cttgtattta cagtatctgc     960
agaaagagtc ccttccaagg cctcacacat tcagacacat ccatactgac acccactcca    1020
cagcccatatg caccacacc agtgagatgt ggaggggtcag actcctaaaa ttaggcagct    1080
gttgggggata agagttgatt tgtttttcaa tttttttgaa aacagaaaag catgggggaa    1140
tgcatattggc cattacaatg ctaattgagt ttgtgtatat tacatatatg gcagttaaca    1200
ctgtaatatc ccttttacat tctatataca cagaatgata tcaaggtttt atgggtcaaca    1260
gaatattcca acttcagtct taatgctgct tgtagtattt tctgaattca ttataggggc    1320
tttccctaaa aataattcaa gtctatgtta agtgaaataa ggcacaatta atattgattt    1380
gatttaggga aagggaagga aagagaaggg ataaaaactg gtttcaaag atctttctgt    1440
tggggaaacta gctctgactt aaaccacctt gaaattcctt ctctaattt ccaaagattt    1500
ctttataaag atatttttct tttccctgac aaagccaaaa agaaaagtgt gggaattcac    1560
attttaattgt ttcagtagcc tgaacaactc aaattgatgt gtaccccccac ctcccctgat    1620
caggtcgcct ccctcaccca tgttaaaaata aaaacacagt atgtgacaca ggagtcctt    1680
gatgttttctt gaggagatct gtacacttga gtagcaata catatctggt tgtcttcaat    1740
atattttaaa aagaaagaaa gagaaagaag aaaggaaaga aggaaaaaag gaaggaaaga    1800
agtaatatgt tgactttctt gctctttaaa aaaatccctg tctccttctt ttcaggatga    1860
tgaagcccca ctagacatta caaacaactg caacaaatga gtttggcagc ataaataatg    1920
tctagtattt caaatcttca tagtgagatt aatttatctt gtacacaatt tgttgaatgt    1980
ttttcgcagc aggtgaatca aacccaaaga ctccggacag tctgtgaaag ggagtaagaa    2040
ttgcagttct gaaggccctt gactttgggt gtttaciaaag ttcaatcctg tttattgtga    2100
tccttggtat cttcttcac tgtatattct gatggttctt ctctgggtt taggagctctg    2160
cctacataat catatttttc tttaaactgc atttccatt ctccaact ctccatttgt    2220
actgcattca aatctgagag atcatcatat tcatctctaa gtgcatcttt atctaggcaa    2280
aatgtggcca gtcctctgga ggcaccccta ccagcaata ttccatattg acccgccggg    2340
ccgtagaact tgctgccttt ggtcacgtcg aagactttcc cattgaccgc gagcaggatg    2400
cgcgggttgc gggagccgtc gtactggcgc agctgctcca agctgaagtc ccgcttcttc    2460

```

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|------|
| atgcgaggca | gagaggtggc | ggggctctcc | tcgccccgcc | cggccccggc | ccccagaccc | 2520 |
| cgccgcccc | agcgcaccca | cagccggtag | gccccagca | gcaccagagc | caccagcgcc | 2580 |
| acgttcagca | gcatttcccc | gcccccgtc | agaagcgcca | acgccggcgc | cgcccagcct | 2640 |
| cccccttccg | ctgccgctcc | cgcgtcgcct | ggactctcgc | tgccgcccgc | gttgctgtctc | 2700 |
| tcgctgccac | tccccagggg | gcctagcttc | acgtccccat | caccagccgc | catcacacga | 2760 |
| aatcgctgac | ccgggattcc | ggtccggtag | tctgtgcgct | agctntcagt | atcaatnttt | 2820 |
| cntgcggggg | ggg | | | | | 2833 |

<210> 7862

<211> 2039

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (46)...(846)

<223> similar to gi5262520 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7862

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|------|
| cgcggggaga | gtagggtgct | gtggctctgag | ctagaggggtg | aagctggcgg | agcaggagga | 60 |
| tgggcgagca | gtctgaatgc | cagaatggat | aaccgttttg | ctacagcatt | tgtaattgct | 120 |
| tgtgtgctta | gcctcatttc | caccatctac | atggcagcct | ccattggcac | agacttctgg | 180 |
| tatgaatatc | gaagtccagt | tcaagaaaat | tccagtgatt | tgaataaaaag | catctgggat | 240 |
| gaattcatta | gtgatgaggc | agatgaaaag | acttataatg | atgcactttt | tcgatacaat | 300 |
| ggcacagtgg | gattgtggag | acggtgtatc | accataccca | aaaacatgca | ttggtatagc | 360 |
| ccaccagaaa | ggacagagtc | atgtgatgtg | gtcacaaaat | gtgtgagttt | cacactaact | 420 |
| gagcagttca | tggagaaatt | tgttgatccc | ggaaaccaca | atagcgggat | tgatctcctt | 480 |
| aggacctatc | tttggcgttg | ccagttcctt | ttaccttttg | tgagtttagg | tttgatgtgc | 540 |
| tttggggcct | tgatcggact | ttgtgcttgc | atttgccgaa | gcttatatcc | caccattgcc | 600 |
| acgggcattc | tccatctcct | tgcaggtctg | tgtacactgg | gctcagtaag | ttgttatgtt | 660 |
| gctggaattg | aactactcca | ccagaaacta | gagctccctg | acaatgtatc | cggtgaattt | 720 |
| ggatggtcct | tctgcctggc | ttgtgtctct | gctcccttac | agttcatggc | ttctgtctctc | 780 |
| ttcatctggg | ctgctcacac | caaccggaaa | gagtacacct | taatgaaggc | atatcgtgtg | 840 |
| gcatgagcaa | gaaactgcct | gctttacaat | tgccattttt | atTTTTTTTaa | aataatactg | 900 |
| atattttccc | cacctctcaa | ttgtttttta | tttttatttg | tggaataacc | atTTTtattat | 960 |
| gaaaatctat | tttattttata | cacattcacc | actaaataca | cacttaatac | cactaaaatt | 1020 |
| tatgtgggtt | actttaagcg | atgccatctt | tcaaataaac | taatctaggt | ctagacagaa | 1080 |
| agaaatggat | agagacttga | cacaaattta | tgaaagaaaa | ttgggagtag | gaatgtgacc | 1140 |
| gaaaacaagt | tgtgctaatt | tctgttagac | ttttcagtaa | aactaaagta | actgtatctg | 1200 |
| ttcaactaaa | aactctatat | tagtttcttt | gggaaacctc | tcatcgtcaa | aactttatgt | 1260 |
| tcactttgct | gtttagatga | gccagtcaac | cagcagtatt | agtgtgtgtt | tcaaagattt | 1320 |
| aagctctata | aaattgggaa | attatctaag | atcatTTTcc | ctaagcattg | acacatagct | 1380 |
| tcatctgagg | tgagatatgg | cagctgtttg | tatctgcact | gtgtctgtct | acaaaaagtg | 1440 |
| aaaaatacag | tgtttacttg | aaatttttaac | tttgtaactg | caagaattcc | agttcagccg | 1500 |
| ggcgaggatt | agtattattt | ttaactctcc | gtaagatttt | cagtaccacc | aaattgtttt | 1560 |
| ggattttttt | tctttcctct | tcacatacca | gggttattaa | aagtgtgctt | tctttttaca | 1620 |
| ttatattaca | gttacaaggt | aaaattcctc | aactgctatt | tattttattcc | agcccagtac | 1680 |
| tataaagaac | gtttcaccat | aatgaccttc | cagagctggg | aaacctacca | caagatctaa | 1740 |
| agttctggct | gtccattaac | ctccaactat | ggtctttatt | tcttggtgta | atatgatgtg | 1800 |

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|------|
| cctttccttg | cctaaatccc | ttcctgggtg | gtatcaacat | tatttaaatgt | cttctaattc | 1860 |
| agtcattttt | ttataagtat | gtctataaac | attgaacttt | aaaaaactta | tttattttatt | 1920 |
| ccactactgt | agcaattgac | agattaaaaa | aatgtaactt | cataatttct | taccataacc | 1980 |
| tcaatgtctt | ttttaaaaaa | taaaattaaa | aatgaaaaga | gactcaattg | taaaaaaa | 2039 |

<210> 7863

<211> 1829

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (409)...(1425)

<223> similar to gi5834595 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|------------|-------------|-------------|------------|------------|------------|------|
| <400> 7863 | | | | | | |
| aactgagacc | cttgtaagtg | cgctggaatt | cggcgctgca | ggtgtcgggg | cctcaacctt | 60 |
| goggagccga | cagccatcga | tcctcggtg | gcctcgaggt | ggtggcaggg | ccgccccctg | 120 |
| cagtcgggag | acgaacgcac | ggaccgggcc | tcgggaggca | ggttcggctg | gaaggaaccg | 180 |
| ctctcgcttc | gtcctacact | tgcgcaaatg | tctccgagct | tactcacata | gcatattggt | 240 |
| atatcaaaat | gaaatgcaag | gaaccaaaaa | taacataatt | gaaggcagta | aaagtgaat | 300 |
| taaataggaa | gatcatcagt | caaggaagac | ccactggaga | ggacagaaaa | tgaagcagt | 360 |
| ttttatcatg | tgtatttcag | caggtcttct | tgaaatttaa | ctaaaaatat | gactgctctc | 420 |
| tcttcagaga | actgctcttt | tcagtaccag | ttacgtcaaa | caaaccagcc | cctagatggt | 480 |
| aactatctgc | tattcttgat | catacttggg | aaaatattat | taaatatcct | tacactagga | 540 |
| atgagaagaa | aaaacacctg | tcaaaatttt | atggaatatt | tttgcatctt | actagcattc | 600 |
| gttgatcttt | tacttttggg | aaacattttcc | attatattgt | atttcaggga | ttttgtactt | 660 |
| ttaagcatta | ggttcactaa | ataccacatc | tgctatttta | ctcaaattat | ttcctttact | 720 |
| tatggctttt | tgcatatccc | agttttcctg | acagcttgta | tagattattg | cctgaatttc | 780 |
| tctaaaacaa | ccaagctttc | atttaagtgt | caaaaattat | tttatttctt | tacagtaatt | 840 |
| ttaatttgga | tttcagtccc | tgcttatgtt | ttgggagacc | cagccatcta | ccaaagcctg | 900 |
| aaggcacaga | atgcttattc | tcgtcactgt | cctttctatg | tcagcattca | gagttactgg | 960 |
| ctgtcatttt | tcattggtgat | gatttttattt | gtagctttca | taacctgttg | ggaagaagtt | 1020 |
| actactttgg | tacaggctat | caggataact | tcctatatga | atgaaactat | cttatatttt | 1080 |
| cctttttcat | cccactccag | ttatactgtg | agatctaaaa | aaatattcct | atccaagctc | 1140 |
| attgtctgtt | ttctcagtac | ctgggtacca | tttgacttac | ttcaggtaat | cattgtttta | 1200 |
| cttaaagtcc | agattccagc | atatattgag | atgaatattc | cctgggtata | ctttgtcaat | 1260 |
| agttttctca | ttgctacagt | gtattgggtt | aattgtcaca | agcttaattt | aaaagacatt | 1320 |
| ggattacctt | tggatccatt | tgtcaactgg | aagtgtgtgt | tcattccact | tacaattcct | 1380 |
| aatcttgagc | aaattgaaaa | gcctatatca | ataatgattt | gttaatatta | ttaattaaaa | 1440 |
| gttacagctg | tcataagatc | ataattttat | gaacagaaa | aactcaggac | atattaaaaa | 1500 |
| ataaactgaa | ctaaaacaac | ttttgcccc | tgactgatag | catttcagaa | tgtgtctttt | 1560 |
| gaagggctat | gataccagtt | attaaatagt | gtttttattt | aaaaacaaaa | taattccaag | 1620 |
| aagtttttat | agttattcag | ggacactata | ttacaaatat | tactttgtta | ttaacacaaa | 1680 |
| aagtgataag | agttaacatt | tggctatact | gatgtttgtg | ttactcaaaa | aaactactgg | 1740 |
| atgcaaactg | ttatgtaaat | ctgagatttc | actgacaact | ttaagatatc | aacctaaaca | 1800 |
| tttttattaa | atgttcaaat | gtaagcaag | | | | 1829 |

```

<210> 7864
<211> 2783
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (88)...(1140)
<223> similar to gi35518 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7864
cgaccacgc gtcgcgccac gcgtccgggc ccagctgctg agaggagtgt cctgagagtgt      60
acctttgcat ctgacctgtcc agccagcatg gaaccaaagc ggatcagaga gggctacctt      120
gtgaagaagg ggagcgtggt caatacgtgg aaacccatgt gggttgtatt gttagaagat      180
ggaattgaat tctataagaa gaaaagtgtg aacagcccca aaggaatgat cccgctgaaa      240
gggagcactc tgactagccc ttgtcaagac tttggcaaaa ggatgtttgt gtttaagatc      300
actacgacca aacagcagga ccacttcttc caggcagcct tcctggagga gagagatgcc      360
tgggttcggg atatcaagaa ggccattaaa tgcattgaag gaggccagaa atttgccagg      420
aaatctacca ggaggtccat tcgactgcc aaccattg acttaggtgc cttatatttg      480
tccatgaaag aactgaaaa aggaataaaa gaactgaatc tagagaagga caagaagatt      540
tttaatcact gcttcacagg taactgcgtc attgattggc tggatatcaa ccagtctgtt      600
aggaatcgcc aggaaggcct catgattgct tcatcgctgc tcaatgaggg gtatctgcag      660
cctgctggag acatgtccaa gagtgcagtg gatggaactg ctgaaaaccc tttcctggac      720
aaccctgatg ccttctacta ctttccagac agtgggttct tctgtgaaga gaattccagt      780
gatgatgatg tgattctgaa agaagaattc agaggggtca ttatcaagca gggatgttta      840
ctgaagcagg ggcatagaag gaaaaactgg aaagtgaaga agttcatctt gagagaagac      900
cctgcctacc tgcactacta tgaccctgct ggggcagaag atcccctggg agcaattcac      960
ttgagaggct gtgtggtgac ttcagtggag agcaactcaa atggcaggaa gagtgaggaa     1020
gagaaccttt ttgagatcat cacagcagat gaagtgcact atttcttgca agcagccacc     1080
cccaaggagc gcacagagtg gatcaaagcc atccagatgg cctcccgaac tgggaagtaa     1140
agagactcct gcattcctcc tcccctcctg agggaagccc atggacaagc tcagtcaggg     1200
acctgtccac ttctgtgaca aatcaacggg aaacagccca ggggtgggaa gttttcattt     1260
gcaggggggt ctgaatgtaa ctaccatgtt ggtgtgcaag gttcccctgc attgtattgc     1320
tcactgcagc cctctgccc ctatccatga cccccaagca gatataacaa gctgtgcagc     1380
ctcagtaggc tgcttgccct ctccaggcct cagggcctct tctggaaaat gaagaaattc     1440
aactagtaga ttcttgaggt ctccccagct taaaaaaaaa aaatctgccc cgtgattcta     1500
acactcgtag tagtgatagt gtatctagtt gttctgctgg tgccttctt tggctaagtc     1560
ttggccttca gttatcttca aatgtaccag aacctgagcc aacgcctccc tgtgaaactg     1620
ttgctgatct gtagtacagt accaggaaga aacctctttt gttctcttta gacatcttct     1680
acttgctctt ggccttgaga tcgtgtaaca aaatgaagga gggctctctt ctttcttctt     1740
catcctactc aaaaacttcc cgagagcagt ggtggttttg agggttttga cttctattac     1800
ttttggcagc ctggaaagtgt gtgtcttctg ggaaagagac ccggggaggc caggagtagc     1860
tgagggtcct ttctgtgccc ttaaaccgcc cagaggagcc ctattccact ctggtttttag     1920
gctgatctga gagggctctc ctttgttctt ttctggagca tttctctaac gtttattaca     1980
attaggaggg ggacccaca tctgtgagat tctgtttcat ttgaggttta cagaaaaaaa     2040
aagtggccag atgtgttccc cccatgggtg agaggcctgg gcaactgcct ggtgaatgtg     2100
tctcgcgcca gctgcagcaa gtggaggggc tgaactactg gccagctcac tggatgatgg     2160
gttaatacaa caactgcact gtaaggactc agagccacac agaacttctg agaggggctg     2220
ttagcattgc gcagcatctt cagttctcca gtaaatgata ttgcgttcgt gcctcagctt     2280
taagcacaag tagcagcagc tcctgcttga gttctgaggg catcatggcc ctatgattaa     2340

```


| | | | | | | |
|------------|------------|------------|-------------|------------|------------|------|
| ccagagtgat | ctaacctaga | ctaaaattgg | gaacttattt | gcaatttttg | accctgacca | 2400 |
| ctaactagtg | attcttctcc | aaaattgaga | aagacagcac | ccattgaaac | agatatgtgt | 2460 |
| gtgaaagtat | atttttcaat | tccagatttt | taatttttaag | gctccaggaa | agaaaggaga | 2520 |
| gtagaacatt | tttcttcatt | ttatcaaata | ctctcttgcc | ctccctcaat | tccctgttaa | 2580 |
| cattcctgaa | gctgttccca | ctcccagatg | gttttatcaa | tagcctagag | gtaaagaact | 2640 |
| gtctttttct | ctgattcttt | aataaattat | ctttatagaa | tatgcacaag | tttttctaca | 2700 |
| ctcagtgtta | aagtatttat | taatgggaag | tcaacttaat | gttttgaaat | aaatatatga | 2760 |
| ctctgtttta | tgcaaaaaaa | aaa | | | | 2783 |

<210> 7865

<211> 1756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (140)...(663)

<223> similar to gi62701 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|------------|-------------|------------|-------------|------------|------------|------|
| <400> 7865 | | | | | | |
| cacccgcacc | cgccccgcc | gccctccggg | actgggtgcg | gcggtaggga | aggccggggc | 60 |
| caggagtact | tccaccccg | cgggggccag | ccgggccgct | gcctaccagg | ccgaccccc | 120 |
| tcctcctg | catactccg | ctccgccgcc | acctcccc | tgccggcgga | ttgctgtca | 180 |
| cggggagccc | gogaagttt | acggatacga | taacttacag | agacagccga | tttttacgac | 240 |
| ccagcaagag | gccgagctg | tacaatatcc | tgactgtaaa | tcgtccagtg | gtaatatgtg | 300 |
| cgaggaccca | gaccacttaa | atcagagctc | gtctccttct | caaatgtttc | cgtggatgag | 360 |
| accacaagca | gtccttggt | gacgaagagg | aagacaaaacc | tacagtcgct | tccaaactct | 420 |
| agagttggaa | aaggaatttc | tttttaaccc | ctatctgacc | aggaaaagaa | gaatcgaggt | 480 |
| ttcccacgcc | ctagccctca | ccgagagaca | ggtaaaaatc | tggttccaga | acaggagaat | 540 |
| gaaatggaaa | aaggaaaaca | acaaggacaa | atttcccgtt | tcccggcagg | aggtgaagga | 600 |
| cggggaaacg | aaaaaggaag | cccaagagct | ggaggaagac | agagccgaag | gcctgacaaa | 660 |
| ttaacttcta | cctttaaaat | ttaccacaga | ctattaaaac | taataatcac | catatgctgt | 720 |
| ggacaccacc | tattttcttt | gttggaaggg | accttacctg | tgtttcaagc | taccttcatt | 780 |
| tcactgctct | tgaggttttc | gttgctttga | gagggatttg | ggtgttttaa | aaagtttcta | 840 |
| gtatcacata | gaagctgtcc | ttgagctgtc | ctatggaagg | gtaatttgat | actgaccttg | 900 |
| tagctatat | tttataatgg | tttttaattg | ctgagctagt | gatttgcttc | aacaacgtaa | 960 |
| acttccta | gattagcact | taataattgc | atataaaatg | ctttattaat | taaacaagtg | 1020 |
| cacttgaaca | ttttaatatt | tgtgggtgag | aaattaaaag | gagtttatta | attaaaaaaa | 1080 |
| attatgtctg | cagaatactt | tatattattt | gattacaatg | tattatttat | ggatttttta | 1140 |
| ttctttcctt | tataatgaat | agttcgggtg | cgttttgttt | actcctaaaa | ggtttctttg | 1200 |
| cgtattttct | aaatgtaata | tctcggggaa | aatattagaa | aagcacgtat | tagctgaaga | 1260 |
| atgtaacttg | tagtccagct | ctgcagcttc | cttaaaactta | agaaaaagat | tgggccagtg | 1320 |
| acaagaattt | aaagacaatg | tccaagttga | caattatttt | tctatagtcc | atacaaatta | 1380 |
| aataatctgg | caactctggc | aaatcgcttc | gtaaaatgcg | tctcattttt | taacttgctt | 1440 |
| tcgttttgaa | ccgcccttgt | aatcgctga | aatcgctagt | tctttatgcg | gtggctgccg | 1500 |
| ctgtgttccg | ttattttcag | taggtgtcat | atttatttgt | attgcctttg | ttctgttcgc | 1560 |
| cgctgggttt | aaaccagctt | gctgtgtgca | tctcagacgt | cggttggtac | gtcctccgct | 1620 |
| gttcttcagg | aaagcgatag | cctcacctat | ttgaaacaag | ccctgagagg | aaacgcagaa | 1680 |
| aaacctgagt | gtaaacaaact | ccggaatgtc | gctagctcct | tagtaaataa | atgaatctct | 1740 |

```

<210> 7866
<211> 2632
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2443)...(219)
<223> similar to gi3123574 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7866
tttttttttt ttcatgaaaa tatagtcatc aaattttatct tcattgggat gccatttttt 60
gaagaattcc taagactaat gtttcttgac atgcaagagt tagcattaat agcttacgtt 120
actataaata ctgctgcttg gaagcagtac aactgtttta gagttttaag actacagact 180
ttcattactc aaatcttatt cagtaaatgt aaaaatcaga aggttctgaa cagctgggta 240
ggaaggtagc caagatgcag gaaagatgtc tgcgcctcct tttcaagggc agccaactct 300
tgaacagtag gtgccaaaat atccacatgg cctttatagc ttccaccacc agcagccctt 360
ttctgaccgt aggtaacttt cccatcaaat tcatccactg gtacctttat atccggtcca 420
acctgagaaa tggtagcagt caggtgttct tctatctcag atagtaactg catctcgttg 480
taccatatgg tacagcctcc atcttccttg agtcttgtgt tataacaccc ttttccacgg 540
ctgctacata catggtacca aaccttttct ttttctgttg ccaccagga aattgccaga 600
cccatccttt cagctcttcc tactctgcc aatcgatgta cgtagttttg cttttcatcg 660
ggcagagtga catttataac ataaggaaca cctgggatat caattcctct agcagctaca 720
tctgtgcaaa tcaagaatct tacatctcct ttcttaaate tttccaagtt ttgctttctc 780
tcatgaggct ttctgtcacc atgaagacaa acacatgaga actgggtgtcc ttttttatca 840
ggtcctcctc cttgttgtat aaagtactgc tccaagttat cacagtcaat tttgggtcta 900
cagaagataa ttgcttgatc catcttatgt tccttgattg cccggacagc atactccctc 960
ttcaggattt taatagcttc agaccacatc tctggactat tagcaccagg tcttgtgtta 1020
tcttttgcag gtacatcatc agttctaatt tggctctttc caagcctttc ccagagtctg 1080
tcagttttgg gatttactgg gacaacaaca tgggtgtacag tatctggaac agagtcttct 1140
ccttttaagt caacctatgt aggaaaatgc attatcttct cggacagttt ctttacatcg 1200
aaagaatgca aagtggcaga gcaaaacaat acctgaagtc tttttccatc agaggtaacc 1260
tgaggaaatc gattgtgcat cctattttata aaatcagaat aaccttgaga aagaagccca 1320
tcagcttcat ccaggaccag gaatctaact tgagataagt tcagctttcc agttgacacc 1380
aagtcatcta gtcttcccg agtacctaca actatatcta ctccattttc caaaacagag 1440
agctgatccc gggctgcaac acctccaatt atcagaagct cccttaattt aggattatca 1500
atgtattttc taaactgctt gatgttggtc aaagtgtgtt cagctaactc ccgggaaggt 1560
tcaacaatga gagctttcgg agcattgggg agaaactttg tttgtgtcac ctgtgcatta 1620
cctgagtgtc gtgatttgac aatgtaacca tccggtgcct tggaaagagc aacaaagcca 1680
tcttttggtg gaaacttaaa ttctctttca ccgaagttaa atttcagttc agcattcttc 1740
aaaacacagg caggaaagag ggcttggttt ttcatatgtg gtgggtatttc aaatgccaga 1800
ccaagatctt ttccattttt ggagaacttg acatgtccct tatctatatc caggtaacat 1860
ccaatggtat catgcatagt gaattcctct ccataattat caaattgttt gttatgggat 1920
ttctttcctg ttccaccaa gccaaatcca aacttgtcag tacctagggt caaagaggcc 1980
tgcattgtag accacccgac cctgcataac ccttggtcat gacaggatac ttcatagtag 2040
tgtttccctt tcattaatcc tttagtagct ctacacccat gccattcctt tacttctctg 2100
ctttgacaac aaagaccatc tgacccaatt gcaaaagcag atcctctgtc atatgggttc 2160

```

| | | | | | | |
|-------------|------------|-------------|------------|-------------|------------|------|
| atctgccatt | tgttcagcac | tgaagcacca | gttttaattg | ttgtttttcc | ttttttgcct | 2220 |
| tcctgttggt | ctttcagagt | ttcataaact | atctggataa | ctggaataact | aaaagcacca | 2280 |
| gtttttgccac | ttcctgtttc | tgcagccata | agtacatcac | ctcctcctaa | gatcaatggg | 2340 |
| atagattcag | cctggatata | agttgggagg | agccaatcca | tctcttccac | agcttgtgca | 2400 |
| atctcaggca | ttacacccat | ctcggagaag | gccgccatct | tcaccccgtc | ctccgcggct | 2460 |
| tcgcctgctc | gctccctccc | tcccgaactga | cacggcggtg | cagtggcggc | gcgcgcttcc | 2520 |
| ggcccttggg | cttcggcggt | cggagtcggg | gcagggactc | agccccggga | gaacggttcc | 2580 |
| gatggaagga | aaggccccgc | ccggccccgc | cttatgcgcc | tgccgcacga | aa | 2632 |

<210> 7867

<211> 1103

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (147)...(644)

<223> similar to gi5737757 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| <400> 7867 | | | | | | |
| gcggtggaat | tcggttcaac | ttcaacatgg | ccgaagcaag | tagcgccaat | ctaggcagcg | 60 |
| gctgtgagga | aaaaaggcat | gaggggtcgt | cttcggaatc | tgtgccaccc | ggcactacca | 120 |
| tttcgagggg | gaagctcctc | gacaccatgg | tggacacttt | tcttcagaag | ctggtcgccg | 180 |
| ccggcagcta | ccagagattc | actgactgct | ataagtgtct | ctaccagttg | cagcctgcga | 240 |
| tgacacagca | aatctatgac | aagtttatag | ctcagttgca | gacatctatc | cgggaggaaa | 300 |
| tctctgacat | caaagaggag | gggaacctag | aagctgtctt | gaatgccttg | gataaaattg | 360 |
| tggaagaagg | caaagtccgc | aaagagccag | cctggcgccc | cagcgggatc | ccagagaagg | 420 |
| atctgcacag | tgttatggca | ccctacttcc | tgcagcaacg | ggacaccctg | cggcgccatg | 480 |
| tgcagaaaca | ggaggccgag | aaccagcagc | tggcagatgc | cgtcctggca | gggcggaggc | 540 |
| aggtggagga | gctgcagcta | caggtccagg | cccagcagca | ggcctggcag | gctctacaca | 600 |
| gagaacagag | ggagctgggt | gctgtgtgta | gggagcctga | gtgaggagac | cggccagccc | 660 |
| cagaagcaga | gggcagtcaa | ggtcaagagc | ctgtggtcca | gcatgcctgg | cctgggcggg | 720 |
| ctaccctctg | agaacggctt | gaaatgggtc | ccagtccttc | agcagtgatg | gaatttgctg | 780 |
| gaggacttag | gccagagcaa | gcctcactgc | cacttgtgcc | tttggggcac | ccttgggggt | 840 |
| tgggaaatac | acccctttta | agattcctct | gtttcttcta | cctggataat | tcttggccat | 900 |
| gttctctctt | ctctaggttc | aggtcagctc | tgcctctccg | cccacaccgc | gtgtgggttc | 960 |
| ccagcccttt | tccctggccc | tggcttggag | aatctgtttt | caatctccac | tgattgcccc | 1020 |
| cttgctggac | acaccagggg | gcctttacca | tgttctctcc | acatccgtaa | ataaacttcc | 1080 |
| ttcactacac | tgtaaaaaaa | aaa | | | | 1103 |

<210> 7868

<211> 1761

<212> DNA

<213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1642)...(952)
<223> similar to gi3335184 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7868
ctcctaagga actcattgtc tatagccctt agccttgttg tttaggcaag aggccaggtc      60
aggtgcccta gagtgaggca ggggcttcag ccaaagttgt gatcgagct tctgaggcag      120
ttcctcagtg gagtcagagt ccgctgccac ctgagctttc caccagatct tctttccttt      180
ccttgtgctt tcctcaagct gcaggcttga tcccagccca caaatatgag agaattctgg      240
aaagtgcctt gagaaatggg ttctgggttt ttttttcatt tttatttttt taaatgtccc      300
aggctgcctt cctgtcctcc catcctgcat cctgctttct gtccctgga taccgtagga      360
tggttttatt tcagttcatg cacaaattag tctggacact gtggagtcac aacaagagtg      420
ggatggaggt tccagggcca atcagtttct ttggagggaa gcttgagaag taggttagag      480
caatgcccac aaaagccact gcttctcctt cccatcccca gcaatgagct aagagccaac      540
ctcagccaga gagagggctt ttgatcacag agggtcagtc agtgggatgt gattagtggg      600
gtttggggga tgggagtccc agggttaaac cagagggcaa agggatcctc tgagtctctg      660
cttaagggaa tggggtttca agttgaggtt tggggactta gggcagggga gcagcaaggt      720
gaggaaaaca gaaaggctgg catggcgagc atccttggca attcaacctg catgctgtta      780
cactagcccc catttctgcc ttgctcaat ccaatggcca aagtcagtct atcctcagca      840
gcaccttctg acacgatcca gtggtagtgt cctcacctg tggccctcgg ggtgctgtcc      900
actgtttttc acagaccag ccacccccc gctctggccc ctggttcttc acacataccc      960
tgtcaggctg taggaattga actcactctt gactttggga gggtgaccag gccttgagga     1020
gctccttctg gcaagaggtt gggcttggtt ggcacgtag tagttggagc gatttctctg     1080
gcatgagcag gaaaagcaga ggatgattcc agctatcagg gagaacaggg aagaaataat     1140
gccaagtaa agagcctctc caatctcaaa tttcatgctg tcaggcacca gtggtgagta     1200
gaagtcctcg aggatcccat gaagattcca ggcaacagga atgaatccca ggaggcctcc     1260
aaggatgaaa aagactccac ctgctaccgc cactctgtct ttggctcggg attcctggca     1320
gaagactgtg catctcatgc ccaccacaga gataatgcag gccagggagg agattgcact     1380
ggatgtcacc atcatggcct gggcagcctg gatgtcagcg ggcaggccca gaagggtgct     1440
atagatgtca cactgggtga tgctgtgct gtgtgtggca cattccatcc agaggccctt     1500
ggagaagcca actgctgtca caatgctggc accgacataa gaacttggtt tccagctggg     1560
gagcagcatg gcaaccagtg tgccaaaag cccagaagg cctaggatgt agcccacaag     1620
ttggaggcca agagaggcca tggcagacct ctcagtagaa gcgtcttcag ggactgctcc     1680
cttgtcttca ggctgaagct cttgctcctt gaacacctct aatccctcat ttcagagtct     1740
ctctgccagg ctgacttctc t                                     1761

```

```

<210> 7869
<211> 1833
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (744)...(1044)
<223> similar to gi3694883 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7869
ccccccctct ccccgctctct ccccgccccct ccccgctccct cccgcccgaag ctccgctcccg      60
cccgcggggcc ggctccgccc tcacctcccc gcccgggctg cccctctgcc gggttgtcca      120
agatggaggg cgctccaccg gggctcgctcg cccctcgggt cctgctgttc gtggcgctac      180
ccgcctccgg ctggctgacg acggggcgccc ccgagccgcc gccgctgtcc ggagccccac      240
aggacggcat cagaattaat gtaactacac tgaaagatga tggggacata tctaaacagc      300
aggttgttct taacataacc tatgagagtg gacagggtga tgtaaataac ttacctgtaa      360
atagtgggtg aaccggaata agctgtcaga ctttgatagt gaagaatgaa aatcttgaaa      420
atttgaggga aaaagaatat tttggaattg tcagtgtgaa gatttttagt catgagtggc      480
ctatgacatc tggttccagt ttgcaactaa ttgtcattca agaagaggta gtagagattg      540
atggaaaaca agttcagcaa aaggatgtca ctgaaattga tatttttagt aagaaccggg      600
gagtactcag acattcaaac tataccctcc ctttggaaga aagcatgctc tactctatct      660
ctcgagacag tgacatttta tttacccttc ctaacctctc caaaaaagaa agtgttagtt      720
cactgcaaac cactagccag tatcttatca ggaatgtgga aaccactgta gatgaagatg      780
ttttacctgg caagttacct gaaactcctc tcagagcaga gccgccatct tcatataagg      840
taatgtgtca gtggatggaa aagtttagaa aagatctgtg taggttctgg agcaacgttt      900
tcccagtatt ctttcagttt ttgaacatca tgggtggttg aattacagga gcagctgtgg      960
taataaccat cttaaagggt tttttccag tttctgaata caaaggaatt cttcagttgg     1020
ataaagtgga cgtcatacct gtgacagcta tcaacttata tccagatggg ccagagaaaa     1080
gagctgaaaa cttgaagat aaaacatgta tttaaaacgc catctcatat catggactcc     1140
gaagtagcct gttgcctcca aatttgccac ttgaatataa tttcttttaa atcgttaaga     1200
atcagtttat acactagaga aattgctaaa ctctaagact gcctgaaaat tgacctttac     1260
agtgccaaat taaagtttac cttattctcg gccgggtgca gtggctcatg cctgtaatcc     1320
caggactttg ggaggccaat gcgggaggat cacgagggtc gatcaagacc atcctgccaa     1380
catgggtgaaa ccctgtctct actaaaaaaa ataaaaaaat tagctgggtg tggcgggtgca     1440
cgctgtgggt cccagctact tgggagggtg aggcaggaga attgcttgaa cccgggaggc     1500
ggaggctgca gtgagccaag atcacgccac tgcactccag cctgggtgac agagcgagac     1560
tctgtttcaa aaaaaaaaaa gttgacctta ttctctaaaa gggctggcta ttcatatgat     1620
gaattgttaa ggaaaactta aagtggaaga gaacacatgt gaagagactt tgaaattatc     1680
aaaagaaaaa aaaaagacca gacaaaatct catgtgccaa taacttttca aggtgccttt     1740
gttaaggaaa ttatatccac ttaattacta taatatataa gactttatga aaagcacttt     1800
ataaaattct aatttaaaag gtcaaaaaaa aaa                                1833

```

<210> 7870

<211> 1963

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (652)...(1538)

<223> similar to gi3242753 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7870
gggctgcctc acttctgcct gatttgggaa gcgctgcaag gacaaccggc tggggtcctt      60
gcgcgccgcg gctcaggag gagcaccgac tgcgccgcac cctgagagat ggttggtgcc      120
atgtggaagg tgattgtttc gctggctcctg ttgatgcctg gccctgtga tgggctgttt      180

```

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|------------|------|
| cgctccctat | acagaagtgt | ttccatgcc | cctaagggag | actcaggaca | gccattat | 240 |
| ctcaccctt | acattgaagc | tgggaagatc | caaaaaggaa | gagaattgag | tttggtcggc | 300 |
| cctttccag | gactgaacat | gaagagt | gccggcttcc | tcaccgtgaa | taagacttac | 360 |
| aacagcaacc | tcttctctg | gttcttccca | gctcagatac | agccagaaga | tgccccagta | 420 |
| gttctctggc | tacaggggtg | gccgggaggt | tcattccatgt | ttggactctt | tgtggaacat | 480 |
| gggccttatg | ttgtcacaag | taacatgacc | ttgctgtgaca | gagacttccc | ctggaccaca | 540 |
| acgctctcca | tgctttacat | tgacaatcca | gtgggcacag | gcttcagttt | tactgatgat | 600 |
| acccacggat | atgcagtcaa | tgaggacgat | gtagcacggg | atattatacag | tgcactaatt | 660 |
| cagtttttcc | agatatttcc | tgaatataaa | aataatgact | tttatgtcac | tggggagtct | 720 |
| tatgcaggga | aatatgtgcc | agccattgca | cacctcatcc | attccctcaa | ccctgtgaga | 780 |
| gagggtgaaga | tcaacctgaa | cggaattgct | attggagatg | gatattctga | tcccgaatca | 840 |
| attatagggg | gctatgcaga | attcctgtac | caaattggct | tgttggtatga | gaagcaaaaa | 900 |
| aagtacttcc | agaagcagtg | ccatgaatgc | atagaacaca | tcaggaagca | gaactggttt | 960 |
| gaggcctttg | aaatactgga | taaactacta | gatggcgact | taacaagtga | tccttcttac | 1020 |
| ttccagaatg | ttacaggatg | tagtaattac | tataactttt | tgcggtgcac | ggaacctgag | 1080 |
| gatcagcttt | actatgtgaa | atttttgtca | ctcccagagg | tgagacaagc | catccacgtg | 1140 |
| gggaatcaga | cttttaatga | tggaactata | gttgaaaagt | acttgcgaga | agatacagta | 1200 |
| cagtcagtta | agccatgggt | aactgaaatc | atgaataatt | ataaggttct | gatctacaat | 1260 |
| ggccaactgg | acatcatcgt | ggcagctgcc | ctgacagagc | gctccttgat | gggcatggac | 1320 |
| tggaaaaggat | cccaggaata | caagaaggca | gaaaaaaaag | tttggagat | ctttaaatct | 1380 |
| gacagtgaag | tggctggtta | catccggcaa | gcgggtgact | tccatcaggt | aattattcga | 1440 |
| ggtggaggac | atattttacc | ctatgaccag | cctctgagag | cttttgacat | gattaatcga | 1500 |
| ttcatttatg | gaaaaggatg | ggatccttat | gttgataaaa | ctaccttccc | aaaagagAAC | 1560 |
| atcagaggtt | ttcattgctg | aaaagaaaaa | cgtaaaaaca | gaaaatgtca | taggaataaa | 1620 |
| aaaattatct | tttcatatct | gcaagatttt | tttcatcaat | aaaaattatc | cttgaaacaa | 1680 |
| gtgagctttt | gtttttgggg | ggagatgttt | actacaaaat | taacatgagt | acatgagtaa | 1740 |
| gaattacatt | atttaactta | aaggatgaaa | ggtatggatg | atgtgacact | gagacaagat | 1800 |
| gtataaatga | aatttttaggg | tcttgaatag | gaagttttaa | tttcttctaa | gagtaagtga | 1860 |
| aaagtgcagt | tgtaacaaac | aaagctgtaa | catctttttc | tgccaataac | agaagtttgg | 1920 |
| catgccgcga | aggtgtttgg | aaatattatt | ggataagaat | agt | | 1963 |

<210> 7871

<211> 1612

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (124)...(542)

<223> similar to gil322550 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7871

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|-----|
| cccacgcgtc | cgcccacgcg | tccggggccac | acgcctcagc | cagccccggc | aagggcctat | 60 |
| caggggtggg | tcggggcatc | cgagcgggtt | tgacggaagg | agcggcggcg | acggaggagg | 120 |
| aggatggagg | cggtggtgtt | cgtcttctct | ctcctcgatt | gttgcgcgct | catcttcttc | 180 |
| tcggtctact | tcataattac | attgtctgat | ttagaatgtg | attacattaa | tgctagatca | 240 |
| tgttgctcaa | aattaaacaa | gtgggtaatt | ccagaattga | ttggccatac | cattgtcact | 300 |
| gtattactgc | tcatgtcatt | gcactgggtc | atcttccttc | tcaacttacc | tgttgccact | 360 |
| tggaaatatat | atcgatacat | tatggtgccg | agtggtaaca | tgggagtgtt | tgatccaaca | 420 |

| | | | | | | |
|--------------|-------------|-------------|------------|------------|------------|------|
| gaaatacacaca | atcgaggggca | gctgaagtca | cacatgaaag | aagccatgat | caagcttggt | 480 |
| ttccacttgc | tctgcttctt | catgtatctt | tatagtatga | tcttagcttt | gataaatgac | 540 |
| tgaagctgga | gaagccgtgg | ttgaagtcag | cctacactac | agtgcacagt | tgaggagcca | 600 |
| gagacttctt | aaatcctcct | tagaaccgtg | accatagcag | tatatatttt | cctcttgga | 660 |
| caaaaaacta | tttttgctgt | atttttacca | tataaagtat | ttaaaaaaca | tgaattgagt | 720 |
| ttctgtagat | ttctagtctt | caacttttagc | ctgaacgcca | acacttgaag | gtgtttttca | 780 |
| tcctctgtat | gttgaagggtg | gttatttgta | tgtaggaaca | ggactgccat | cccagctttg | 840 |
| catgccaaaag | aaataaagaa | cacactttta | agggcaaact | gaagagatga | gcgagcaaa | 900 |
| gtgcccttca | ggctctactga | aaagttagag | tacaaaacaa | cactgttgat | ctggacaaaa | 960 |
| gaagaaaaat | tacccttttt | gcttgtgttg | tgacaacttc | atttaatatg | gtttaaagat | 1020 |
| ttatgagact | gtcagctaaa | agtcttttca | caagaatgtc | aacagagaat | ggcatctcaa | 1080 |
| aatatatata | tttctttgca | caatttgtga | aaccttataa | gccattttcc | ccaggtacaa | 1140 |
| tgtagttcct | gctgatagaa | aggaaatatt | ttgtcaagag | ctttcattta | aaagctacta | 1200 |
| cctccacaat | cacccccaaa | cccagaaaat | ccccactggc | tcttgccagt | ctggttttcg | 1260 |
| tattgcagtt | attccaattg | tatttgatct | ccctgataac | gtattttcat | gggtttgggt | 1320 |
| agaagatgct | aatcagatta | gaagcaggaa | tagttatttg | ctgtctgtga | aattgagcct | 1380 |
| tttggtgctg | cacgtgggtg | cagatcaaca | cttctatccc | tctgcactga | ccacgttggt | 1440 |
| aactggggaga | cccaaagtga | agccatttca | tggacatagc | aataacaac | caaactctgt | 1500 |
| tccttgaggt | tatattgtaa | actcttgtag | gtgggagagc | agttcacctc | cttagctctg | 1560 |
| tttgccagct | cttacagggt | aaaataaacc | tgggcaattt | atcctcaaaa | aa | 1612 |

<210> 7872

<211> 1758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1759)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1683)...(411)

<223> similar to gi4587714 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7872

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | ttagattcat | ctttttaatg | acatcctaaa | attcagagga | ggggccagcg | 60 |
| ggacctctgg | gctcagcggc | tgtgaaggag | ggaccgcga | caccgcgtaa | ggcaggtaat | 120 |
| tgcaagaagg | cactcgcgag | ggggacttca | agccctctt | ctatttcttc | atataaaatc | 180 |
| agggggatgg | ggaaagctcc | aagggcgagg | gaagcagaga | gagtttctct | cccagcctat | 240 |
| ggaataagga | agaggtgagg | aaggggtggg | tgctgggagc | aagaaactgc | caagtccagg | 300 |
| acctgccctc | acacagacac | acacagcccc | cacctgccct | ccctctaaaa | tctgcatccg | 360 |
| gggctgtaag | gaagccccgt | gttcaagccc | ccatctcttc | tcccttctag | ctggtacgaa | 420 |
| gttggtaatc | gccactctgg | gtgatgtagc | gaaccagggg | cagggcctgg | taaccacttt | 480 |
| tctcaatgat | cttcatgtat | cggacctgga | tcccagagac | ggtgaagtag | gggatctcaa | 540 |
| acttgacccc | gatggggggc | cggccctcca | cctcttcttt | ttccacactg | gggaggccaa | 600 |
| agtgggctcg | catcaagtac | tccttgcccc | ccgggaaaga | cttaatactc | caaatcacga | 660 |
| cgtttctctc | cggcacatac | ttggcgctgc | ccacactggg | cttgaatctg | ggggagtcgg | 720 |

| | | | | | | |
|------------|--------------|------------|--------------|-------------|------------|------|
| catcgctggg | tacaggcaca | gatatctcca | caccgttggc | cactgactgt | ttcttaaact | 780 |
| gccccttggc | cttgaccatg | atctccacgc | ggctgtggga | gaacttctca | atgacagact | 840 |
| caatccagat | cagtggcttg | acctgggtgc | tgaggcggta | tgacatgagc | tcaaagtcac | 900 |
| catcaggcgg | gatgaaggag | atggtgcggt | cgttgtcaaa | gcgagagagc | cgcacgcact | 960 |
| ggtggaattt | tacatcctcc | agctctactg | at ttgttctt | gctgcggcca | gtgagctcga | 1020 |
| agagcacgcg | gtcattgagg | cccagccgca | gctctggcat | tcctgacaga | aacaccttga | 1080 |
| gcttgatggg | accgacgatt | tcgctcagaa | ggacgctgcc | g ttggcattg | accagcaggt | 1140 |
| tgacagactc | tatgacatca | atgaagacct | cg tttcttctt | atacttgata | ccctcggagc | 1200 |
| gccaggacac | agcg ttgggtg | acagtgggtg | gcacccgtga | cttgcccgtc | tccagcttgt | 1260 |
| tgctctgctg | agtgatgtac | tcctgcagga | tcttgctgtc | ggtggtctgc | gggaagccaa | 1320 |
| agtccatgag | ctcg tccagc | aactcgtaga | cgatgacaaa | gttg tcccgg | atgctctcct | 1380 |
| cctccagctc | cttgaagtat | tcgcagaata | cctctattgt | cttatacagg | aaggagtaca | 1440 |
| ccagggaggg | attggcattc | ttcgatgtgg | tggccaccaa | gtagaggttg | ctgtgtttga | 1500 |
| tccataggaa | gtggacctgg | ccgtgggtca | gcagcggggc | cagggcgcct | tcctcctccc | 1560 |
| gctgtaccag | caaaggcatg | aagtgtctca | tcttgctcat | ggccacatcg | cccttgtagt | 1620 |
| tgcggtgat | caatggcttg | cccttaacgt | ccagaatgaa | gacagccgag | gcggacatgg | 1680 |
| tggcgggccg | aggacttagg | agtcggggag | ggagcgccgg | gaggcgatgg | cggtgccgct | 1740 |
| tcnncttca | gattggta | | | | | 1758 |

<210> 7873

<211> 1666

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (165)...(910)

<223> similar to gi4929325 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7873

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|-------------|------|
| gcacgaggtg | aaaatgggtg | tccttgcgtgc | ctcttagcaa | caagaggggt | caagtgcacac | 60 |
| aaccagctga | ctcccgtaga | ggaagacact | gtggaggcca | gttctggagc | tattgcagcc | 120 |
| tcggttgccc | ggccggggac | ccgagccgaa | aagttatcgt | cagaatgtcg | ggcaaagacc | 180 |
| gaattgaaat | ctttccctcg | cgaatggcac | agaccatcat | gaaggctcgt | ttaaagggag | 240 |
| cacagacagg | tcgaaacctc | ctgaagaaaa | aatctgatgc | cttaactctt | cgatttcgac | 300 |
| agatcctaaa | gaagataata | gagactaaaa | tg ttgatggg | cgaagtgatg | agagaagctg | 360 |
| ccttttctact | agctgaagcc | aagttcacag | cagggtgactt | cagcaactaca | gttatccaaa | 420 |
| atgtcaataa | agcgcaagtg | aagattcgag | cgaagaaaga | taatgtagca | ggtgttactt | 480 |
| tgccagtatt | tgaacattac | catgaaggaa | ctgacagtta | tgaactgact | ggttttagcca | 540 |
| gaggtggggg | acagttggct | aaattaaaga | ggaattatgc | caaagcagtg | gaactactgg | 600 |
| tggaactagc | ttctctgcag | acttcttttg | ttacttttga | tgaagctatt | aagataacca | 660 |
| acaggcgtgt | aatgccatt | gaacatgtca | tcattccccg | gattgaacgt | actcttgctt | 720 |
| atatcatcac | agagctggat | gagagagagc | gagaagagtt | ctataggtta | aagaaaatac | 780 |
| aagagaagaa | aaagattcta | aaggaaaaat | ctgagaagga | cttgagagcaa | aggagagcag | 840 |
| ctggagaggt | gttgagacct | gctaattctt | tggctgaaga | gaaggacgag | gatcttctat | 900 |
| ttgaataatc | tttctgttct | tggttctttg | agaaacccta | acactggctt | catttttaatt | 960 |
| cacagtgtgt | aggtttgatt | tgtgtggcta | ttgatttttt | ggcctaagaa | tttctactgg | 1020 |
| tgtaaaattt | acctagatgt | ctattttatgg | gattactttt | gcagaatcat | aatttagcaa | 1080 |
| ccatttatca | tggatgaaag | agatctgtaa | aacctgccca | ggaacttaca | gaatttactt | 1140 |

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|------|
| tgcagaagcg | ttatcatact | ccattttacat | ctgtgtttaca | cgtgatctgc | ttaccaagca | 1200 |
| tattaggaaa | tacctcttag | gaagcattag | cgggtctcagg | ccaattactg | tggagcagct | 1260 |
| ttcattccta | cccacttgca | aaccttgggcg | ctgtttgtctg | agatttgctgc | agccatttctt | 1320 |
| gttaccatgg | tactttctcaa | actttgtgaa | aacctgcact | tttccttgca | tgacagggttc | 1380 |
| ctgtcttgtc | tgtcatggga | gccattctgc | caattttaa | gcgactgtgg | tataaacagt | 1440 |
| aaaatgattt | aaaagtaagt | cattccgttt | ttattaattt | actgttaa | catgtttctca | 1500 |
| tgctcagatc | agtagtgtca | gccagagctt | tctctgcaga | catgtaggaa | gtgggtagct | 1560 |
| atTTTTccca | ctccatgtat | tagagtttta | caaaaaggct | tacttttgag | acaactgttg | 1620 |
| cattttgggg | tactaataaa | tgattgccga | tgagttaaaa | aaaaaa | | 1666 |

<210> 7874

<211> 1504

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (400)...(974)

<223> similar to gi333969 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7874

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|------|
| cccggctcgac | cacgcgtccg | gaattttgat | ctaaatagca | aatctattct | gcaggaattt | 60 |
| ttttgcaccc | gaagtattca | gatccctgct | aatagatcaa | aaacagctat | gtctaaatgt | 120 |
| ccaatatttc | caatggccag | gagtattagt | acttctggcc | ccttgataa | ggaagatact | 180 |
| ggaagacaga | agctcatttc | tacaggcagc | ctgccagcta | ctttacaagg | agctacagat | 240 |
| tcttttaggtt | tagaatggca | ccttccaagt | cccgatccctg | tactgttcc | gtatcttagt | 300 |
| ccttttagtgg | tatggaaaaga | acttgaaagc | ttattggaaa | atgaagggtga | tcagtcaata | 360 |
| acagtagcag | actttgtgga | ccatcatcca | attgtttttt | ggaacctggt | atggtatttc | 420 |
| agacgtcttg | acttgcccag | taacttacct | ggattgattc | tttcttctga | gcactgtaac | 480 |
| aagtattcaa | agattccccg | ccactgtatg | tctgaagata | gcaaataatgt | tttaatacaa | 540 |
| atgttatggg | acaatatgaa | gttacatcag | gatccgggac | agcccttgta | cattctctgg | 600 |
| aatgcacaca | ccccaaaata | tccaatgggc | catttattgc | aaaaaagtga | taactcattt | 660 |
| aaccaggaac | tgttgaaaag | tatggtaaaa | agcattaaaa | tgaatgatgt | ctatggacca | 720 |
| atgagtcaga | ttttagagac | actgaataag | tgtccacatt | ttaaaagaca | gaggagttta | 780 |
| tacagagaaa | tactatttct | ctcacttggtg | gcactgggaa | gagaaaacat | tgatatagat | 840 |
| gcttttgata | aagagtacaa | gatggcatac | gatcgtctca | cacctagtca | agtcaagagt | 900 |
| acacacaact | gtgatagacc | accaagtaca | ggggtgatgg | aatgtcgaaa | aacctttgga | 960 |
| gaaccttatc | tttaagatgt | atttgtatgt | gtaaacattc | aatgtatatt | gtatagtcag | 1020 |
| tgtataaaat | aacactttta | gactctaaat | atTTTTtctt | caatttttga | aaatacaatt | 1080 |
| tgtaaatggt | ccaaaggact | ccagaccagc | ttatgtacca | gaatgtttga | agaagagaat | 1140 |
| agtgaccaag | tggggagaaa | agcccacttg | gtttctcatt | tctttttcct | tcttctttaa | 1200 |
| ctcccctgta | ataggaaata | aagtattttt | gtgatgagga | aatccctaaa | caaaattagt | 1260 |
| tgccataaaa | tatgacaact | gctttatggt | ttcttttgga | agagacagat | tgaaaaatca | 1320 |
| tgaatggaat | cctaaacaga | aatgtcagat | gaacgtattt | cctgttttca | tagactattc | 1380 |
| aaatgttttg | accatgaagt | tgtattatac | atatttttaa | ttgtttatag | taagttgata | 1440 |
| tttttttaat | ttttaaat | aatatagcaa | acttaaaatg | aatttaaact | taagcaaaaa | 1500 |
| aaaa | | | | | | 1504 |

```

<210> 7875
<211> 1398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1296)...(264)
<223> similar to gi2984585 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7875
tttttcactt tacaagaagt tcactcttat tcactggaggc atcatgctga caggactgga      60
tccaaggaaa atgctagtga ctttcccaac ttcattcccc aatcaaagag gacagtttct      120
ggtttgccac tggtagagtt attacaegac taaagttcaa ataaaaaaat aaaaaccaaa      180
atcttggcag ggaagctaga gccagaatca ggaaaatctg cttccttgtc ccagactcc      240
ctggccaagc ccagctccac taactcatct tgactcgatc aagttcctca tcaagacttg      300
catctgtacc ctggacatct ctgctgctcc cactggagag tgagtctgga gtccttggca      360
ctggggcttt ggtgagggtt ccatatacac ccatggcctg agccaccatg ctggtgacat      420
cgccagggtt ggagggcagt aggatagtg tggagtcctt ggccagtttg gagaacgcgc      480
tgacatactg ctcgccaca gtcagtgaag ctgctgcac tccattatgt tgtgtcagag      540
ctgcagccag gattcgaata gcttcagctt tagccttggc cttcgccaga actgcactgg      600
cctctcctgc tgctgattt atctgttcag ccttttctgc ttcggaggcc aggatctggg      660
cctgtttctt ccttctgcc acattgatgg ccgactctcg ggtcccctca gactctagaa      720
ctgtggcccg tttccgccgc tctgcctcca cctgcatctg catagactct ttcacccggg      780
gtggcacatg gatatccttg atctcataac ggaggcagcg gataccccag cagtcagcag      840
cttggttgat ggcattccaca atgctggcat tcagggactc ccgttcccgg aagactttgt      900
ccagagagag tttgccgagc tctgatctca tgggtgtttg agctagctgg gtgacggcat      960
actcagggtc ctccacaccg tagcttgctt tgtaagggtc catgatgcgc aggttaaagga     1020
ctccatcgat ttgcagagtt acattgtcga ggtcacagc cgactgctca ggcacgttga     1080
tgacaatttc cttgagactc tgcacatata ggatccggtc taacacaggg atgaggatgt     1140
tcaaaccagg ctccaggatc cgggtggaatc ggcccattcg ctccaccacc caggcctcct     1200
gctgcggcac gaacagtacc acggtgtttc ggggcaatcc agaggaggcg cggcgcggag     1260
cgcgccaga agccagtaga gagccctca gcaaaagggc ccagtgccc cgcgccgcgc     1320
gcgccagcat ttcccaccgc cgcagcgacc tccggaacca acgagacgag cggagcggtc     1380
gctcccagaa gcctaccc

```

```

<210> 7876
<211> 1437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (125)...(1292)
<223> similar to gi387012 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7876
aaccggtgac tttcagaggc cgataaggcg ggacccaact tgtatataag gggcagctca      60
tgctgctgct ctgcaccttc ctcccgtctt gccttctccc tcgagttggg acccggaag      120
aaccatgaag tggctgctgc tgctgggtct ggtggcgctc tctgagtga tcatgtacaa      180
gggtccccctc atcagaaaga agtccttgag gcgcaccctg tccgagcgtg gcctgctgaa      240
ggacttctctg aagaagcaca acctcaacct agccagaaag tacttcccc agtgggaggc      300
tcccacctg gtagatgaac agcccctgga gaactacctg gatatggagt acttcggcac      360
tatcggcatc ggaactcctg cccaggattt cactgtcgtc ttgacaccg gctcctccaa      420
cctgtgggtg ccctcagtct actgctccag tcttgctgc accaaccaca accgcttcaa      480
ccctgaggat tcttccacct accagtccac cagcgagaca gtctccatca cctacggcac      540
cggcagcatg acaggcatcc tcggatacga cactgtccag gttggaggca tctctgacac      600
caatcagatc ttcggcctga gcgagacgga acctggctcc ttctgtatt atgctccctt      660
cgatggcatc ctggggctgg cctaccccag catttctctc tccggggcca caccgctctt      720
tgacaacatc tgggaaccagg gcctggtttc tcaggacctc ttctctgtct acctcagcgc      780
cgatgaccag agtggcagcg tggatgatctt tgggtggcatt gactcttctt actacactgg      840
aagtctgaac tgggtgcctg ttaccgtcga gggttactgg cagatcaccg tggacagcat      900
caccatgaac ggagaggcca tcgcctgcgc tgagggtgc caggccattg ttgacaccg      960
cacctctctg ctgaccggcc caaccagccc cattgccaac atccagagcg acatcggagc     1020
cagcgagaac tcagatggcg acatgggtgg cagctgctca gccatcagca gcctgccga      1080
catcgtcttc accatcaatg gagtccagta ccccgcgcca cccagtgcct acatcctgca      1140
gagcgagggg agctgcatca gtggcttcca gggcatgaac ctccccaccg aatctggaga      1200
gctttggatc ctgggtgatg tcttcatccg ccagtacttt accgtcttcg agagggcaaa      1260
caaccaggtc ggcctggccc ccgtggctta agcctaagtc tcttcagcca cctcccagga      1320
agatctggcc tctgtcctgt gccacttta gatgtatcta attctctga ctgttcttcc      1380
caggggagtg tggaggtctt ggccctgttc cctgtectac caataacgta gaataaa      1437

```

<210> 7877

<211> 2010

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (543)...(942)

<223> similar to gi2924495 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7877
gcttctttca cacgggttgc ttcggaggaa tccgccgtgc aaatctgtcc gcccccttgg      60
ccactgatcc cccgaagagc ttctgtcgcc gctctaggaa tacagacatt gaagtttggg      120
acaagatatt tatctaactt ctgtgtcaaa attagcgacc tgctatggca atgaagaaag      180
aaactgaatt tgtcattttc acctgaagaa aaatgataga caaaaatcaa acctgtggtg      240
taggacagga ttctgtgccc tatatgattt gtctgattca catactcgaa gaatggtttg      300
gtgtggagca gttggaggac tatttgaatt ttgcaaacta tctcttggg gtttttacac      360
cactaatact ttaataactt ccttacttta ctatctttct tctctacctt actattattt      420
tcttacacat ttataagaga aagaatgtat tgaaagaagc ctactctcat aatttatggg      480

```

| | | | | | | |
|------------|-------------|-------------|------------|-------------|------------|------|
| atggtgcaag | gaaaacagtg | gcaactctgt | gggatggaca | tgcagccgtt | tggcatgggt | 540 |
| atgaagttca | tggaatggaa | aaaataccag | aagatggacc | agcacttata | atTTTTtate | 600 |
| atggagctat | tcctatagat | ttttactatt | tcatggctaa | aatatttata | cacaaaggca | 660 |
| gaacttgccg | agtagtagct | gatcactttg | tctttaaaat | tccagggttt | agtttattac | 720 |
| tggatgtggt | ttgtgctcta | catggaccaa | gagaaaaatg | tgttgaaatt | ctgaggagt | 780 |
| gccacttggt | agctatctca | ccagggtggag | ttcgagaagc | cctaattagt | gatgaaactt | 840 |
| ataacatcgt | atgggggtcat | cgcagaggct | ttgctcaggt | tgcaattgat | gcaaaagtgc | 900 |
| ccattattcc | tatgtttaca | caaaatattc | gagaaggatt | tagatcactt | ggaggaacaa | 960 |
| ggttatttag | gtggctttat | gaaaaattcc | gctatccatt | tgctccaatg | tatggagggt | 1020 |
| ttccagtga | gttacggacc | tatttaggcg | acccattcc | gtatgacca | cagataacag | 1080 |
| cggaagaatt | agctgaaaag | acgaagaatg | ctgttcaagc | tttgattgat | aagcaccaaa | 1140 |
| gaataccagg | aaacattatg | agtgcctttg | tagaacgttt | tcattgataa | caaagggtca | 1200 |
| actagaagat | gatttagtac | atztatatta | aatgtttgta | tctaaggtag | tgtcttctga | 1260 |
| atTTtgtagg | tcctataatt | agtatttttt | aaaaaaatca | tgTTaataag | catctttcac | 1320 |
| agaattcgtt | tctttaaaat | agtcaatttt | gtttttgcaa | ttgggtcaaa | tactaacaaa | 1380 |
| ttacacacct | agtaattcaa | aaaaagatgt | cttatttgta | aattcctaac | aatttatgct | 1440 |
| aaacatatag | attcttaagt | ttattaataa | cagcagttta | ggttaaacaa | acattcctgg | 1500 |
| ataatgcgtt | aaatttctgt | atctgtcgcc | ctgagctgat | tttgaaagat | ggtataagct | 1560 |
| aggggttagt | atagttgttt | aagttagaaa | aaacatgctg | ttgtctgccc | ctcattccct | 1620 |
| tcatgacctt | gggcaagtca | cgtaatgttt | ttgtgectca | acaattcact | ttttaaaaac | 1680 |
| atgatcgat | gatgaatgat | attattttgt | tatttatatt | tactgtgatt | gataactgtt | 1740 |
| gaaccaaatt | aataaaataa | ttaattttaa | caatgtcaaa | atcctttagc | agttatgtat | 1800 |
| atattttctc | cattgtgtgt | ttaaattgtc | atgtccagtt | gccaagcaca | atgaaaaaga | 1860 |
| tgtattatTT | tttaaattga | ataaaaaatt | aggaaaaata | aaatttctaa | ttattatTTT | 1920 |
| tagtatgata | tttttaacaa | gagtctatag | gcaaacaata | taggggtgtgc | tgtgcattgg | 1980 |
| tcagccctat | actgtggtct | taataatgcc | | | | 2010 |

<210> 7878

<211> 3215

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (224)...(2944)

<223> similar to gi2564328 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7878

| | | | | | | |
|------------|------------|-------------|-------------|------------|-------------|-----|
| tttcgtcgcg | gagggagggg | cggggcgggc | tccggtgtca | gcgaccaagc | cgcagggtggc | 60 |
| ggcgagcgcg | gggctcggcc | cgagctcagg | agatggggaa | actgaggcac | ggagctggac | 120 |
| agtgactcag | acaccaggag | ctgcctggag | tggagctgag | agctcaggtc | tgggctcagc | 180 |
| cagtccagag | tgcaaatcta | ctgtcccttc | ctggtctgtg | gatcttgaca | ggcactggac | 240 |
| ggggcctgca | ggggtctcca | cagagaccat | caggatgtcg | tattttgggg | agcatttttg | 300 |
| gggcgagaaa | aatcatggct | ttgaggtcct | gtaccacagc | gtgaagcagg | ggcccatctc | 360 |
| caccaaggag | ctggcggact | tcattccggga | gagggccacc | atcgaggaga | cctactcgaa | 420 |
| ggcgatggcg | aaactctcca | agctggccag | caacgggacc | cccatgggga | ccttcgcccc | 480 |
| gctctgggag | gtcttccgcg | tctcctcgga | caagctggcg | ctgtgccacc | tggaaactgac | 540 |
| acggaagtta | caggatctca | tcaaggacgt | tctccgctac | ggcgaggaac | agctcaagac | 600 |
| ccacaagaag | tgcaaggagg | aagtgggtgag | caccttggtat | gctgtgcagg | tactctcggg | 660 |

| | | | | | | |
|------------|-------------|------------|------------|------------|-------------|------|
| cgtcagccag | ctcctgcccc | agtcgccgca | gaactacctg | aaccgttgca | tggaccagga | 720 |
| gcggtctgcg | agggagagta | ccagccagaa | ggagatggac | aaggcggaga | ctaaaaccaa | 780 |
| gaaggcggca | gagagcctgc | ggcgctcagt | ggaaaaatac | aactcagccc | gagctgactt | 840 |
| tgagcagaag | atgctggact | cagccctgcg | cttccaagcc | atggaggaga | cacacctgag | 900 |
| gcacatgaag | gcaactgctg | gctcatatgc | tcactcgggt | gaggacacgc | acgtgcagat | 960 |
| tgggcagggt | catgaggaat | ttaagcagaa | catcgagaac | gtcagcgtgg | agatgctact | 1020 |
| caggaagttt | gcagagagta | agggcacagg | ccgggagaag | cctggacctc | tggacttcga | 1080 |
| ggcatacagt | gcggctgccc | tgcaggaagc | gatgaaacgt | ttgcggggag | ccaaggcctt | 1140 |
| tcgccttcca | ggactaagcc | ggcgggagcg | ggagccagag | ccacctgcag | ctgtagattt | 1200 |
| cctggagccc | gattcagggg | catgtccaga | ggtggatgaa | gaaggtttca | ctgtccggcc | 1260 |
| tgatgtgacc | cagaacagca | cggccgagcc | ctcccgtttc | tcgtccagcg | actccgactt | 1320 |
| cgacgatgaa | gagccccgca | agttctatgt | gcacatcaag | cctgccccgg | cccggtctcc | 1380 |
| agcctgcagc | cccagggcag | cagcggcaca | gctcagggcc | accgcgggca | gcctcatcct | 1440 |
| tcctcctggc | ccagggggca | ccatgaaacg | ccattcttca | cgggacgctg | ctgggaaacc | 1500 |
| ccagagacct | cggctctgccc | ccagaaccag | cagctgtgca | gagagattgc | agtccagagga | 1560 |
| gcagggtgtc | aagaacctct | ttgggcccgc | cctggagtca | gcctttgacc | acgaagattt | 1620 |
| tacaggctct | agcagcctgg | gcttcacctc | cagccccctc | cctttctcct | cctcgtcgcc | 1680 |
| cgaaaacgtg | gaggattccg | gcctggactc | tccgtcccac | gcggcacctg | gccccctccc | 1740 |
| agattcctgg | gtcccccgcc | caggcacccc | gcagagcccc | cccagctgta | gggcgcaccc | 1800 |
| cccagaggcc | aggggtatcc | gggcaccgcc | tctgccagac | tcgccgcagc | ccctcgccctc | 1860 |
| gtctccaggc | ccctgggggg | tggaggcctt | ggccggagga | gacctgatgc | ctgcacctgc | 1920 |
| tgacccacac | gccagggagg | gcctggcagc | cccaccagag | agacttcgct | ctaggaaggt | 1980 |
| gtctcgccct | ctcacacgta | gcaatgggga | cctgtctcgt | tccttgagcc | cctccccact | 2040 |
| gggctcttca | gccgccagca | ctgccttgga | acggcccagc | ttcttatccc | agacaggaca | 2100 |
| cggagtctcc | cggggtccga | gccctgtggt | cctgggctcc | caggatgccc | tgccccatgc | 2160 |
| cacagccttc | acagagtatg | tccacgccta | cttcctgggc | cacagcccca | gctgcctggc | 2220 |
| tcgagtaact | ggggagctga | ccatgacctt | ccctgctggc | atcgtgctgt | tgttcagcgg | 2280 |
| gacccaccca | ccacctgtcc | tcagcttccg | gcttgtacac | acaaccgcta | ttgagcactt | 2340 |
| ccagcccaac | gccgatctgc | tgttcagtga | cccctcccag | agtgacctg | agaccaaaga | 2400 |
| cttctggctc | aacatggcag | ctctgaccga | agccctgcag | cgccaggcag | agcagaaccc | 2460 |
| cactgcctcc | tactacaacg | tgggtgctgt | gcgataccag | ttctcccgcc | cgggtcccca | 2520 |
| gtctgtgcct | ctgcagctca | gtgcccactg | gcagtgtgga | gccacctca | cccagggtctc | 2580 |
| agtggagtac | ggctaccggc | ccggtgccac | ggctgtgccc | acaccactca | cgaacgtcca | 2640 |
| gatcctgctg | cctgtggggg | agcctgtgac | caacgtccgc | ttgcagccgg | ctgccacctg | 2700 |
| gaacctggag | gagaagcggc | tcaattggag | gcttccagat | gtgtccgagg | caggcgggttc | 2760 |
| tggccgcctc | tctgccagct | gggagccgct | ctcagggccc | agcacaccca | gccccgtggc | 2820 |
| tgacagttc | accagcgagg | ggaccactct | gtcgggcgtg | gacttggaa | tggtgggcag | 2880 |
| cggttaccgc | atgtcgctgg | tgaagaggag | gtttgccaca | gggatgtacc | tggtgagctg | 2940 |
| ctgaacccgc | aatgctgct | gccccagctc | tacactgcgc | cctggtgctg | gctgaccacc | 3000 |
| ccctgcccct | ctgccggacc | ctggggcctc | ccacccagc | ctccctgagg | cccatactcc | 3060 |
| acggagagga | gccccatgcc | cagcctggct | gagcccagaa | ttcgctcctc | cccctcatgc | 3120 |
| caacccacac | caggtcccgg | ccttttaagt | ttctttgaat | aaacacttta | ttttcttaata | 3180 |
| aaataaaaaa | ggaaacctta | aaaaaaaaaa | aaagg | | | 3215 |

<210> 7879

<211> 2156

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (100)...(1413)

<223> similar to gi5732691 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
<400> 7879
ttcgtggctt cccgcgcgg acccagtacc tcggtccccc ggggccggac cgaggccgca 60
agcagcgcgg cggggtgtgg ggcggaccca ggagatgaaa tgacaacgtc aaccctccag 120
aaagccattg atctggtgac gaaagccaca gaggaggaca aagccaagaa ctacgaggag 180
gcgctgcggc tgtaccagca tgcggtggag tacttcctcc acgctatcaa gtatgaggcc 240
cacagcgaca aggccaaagg gagcattcga gccaaagtgcg tgcagtacct agaccgggcc 300
gagaagctga aggattattt acgaagcaaa gagaaacacg gcaagaagcc agtcaaagag 360
aaccagagtg agggcaaggg cagtgcagct gacagtgaag gggataatcc ggagaaaaag 420
aaactgcaag aacagctgat ggggtgccgtc gtgatggaga agcccaacat acggtggaac 480
gacgtggccg ggctggaggg ggcgaaggag gccctcaaag aagctgtcat ttgccaatc 540
aaattcccac acttggtcac aggcaagcgc acccctggc gggggattct gctgttcgga 600
ccccctggca cagggaaatc ctacctggcc aaagccgtgg caacagaggc caacaactcc 660
accttcttct ctgtgtcctc ctcatgctg atgtccaagt ggctggggga gagtgaaaag 720
ctggtcaaga acctgtttga gctggccagg cagcacaagc cctccatcat cttcatcgat 780
gaggtggatt ccctctgcgg gtcccgaat gaaaatgaga gtgaggccgc ccggaggatc 840
aaaacggagt tcttgggtcca gatgcagggg gtggggaata acaatgatgg gactctgggt 900
cttgagacca caaacatccc atgggtgttg gattcggcca tcaggaggag gtttgaataa 960
cgaatttata tccccttgcc ggaggaaagt gcccgccccc agatgttccg gttgcatctc 1020
gggagcactc cccacaacct caccgatgca aacatccacg agctggcccg gaagacggaa 1080
ggctactcgg gcgcggacat cagcatcatc gtgcgggact ctctcatgca gcccgtagg 1140
aaggtgcagt cgccacaca cttcaaaaag gtctgtggcc cctctcgac caaccacgc 1200
atgatgattg atgacctcct gactccatgc tcaccagggg acccaggagc catggagatg 1260
acttgatgg atgtccctgg ggacaaactc ttagagcctg tggtttgcat gtcggacatg 1320
ctgcggtctc tggccaccac ccggcccacg gtgaatgcag acgacctcct gaaagtgaag 1380
aaattctcag aggacttttg gcaagagagt taaaagctgc ttcacttggg caatggtgaa 1440
ggtgggaggt tgattggggc aaatccaggc actccccatg tcaacagcca gacagggtc 1500
cagggcttgt cccagtcaat acagagtcc ctctgctgtc tggccgtctg ccaggagacc 1560
agaaggaaag gccttgacg cacagagaca ctccactgcc ctggggcaca cagtggacac 1620
tgctcttcct acttcctcct ctctggatg ctcatcagct ccttctgect ccccccttt 1680
ttttccatc tttgttccc ctaaattaat gctgcttggg ttttcatctt atttataaag 1740
ataaaatcac ctggaagtgt caaggagtgg ggcgggggtg cgggggagaa gcagccgtgc 1800
tgccaggtca ccagacctc cagacagccg gctagcccca ctgcccgttc cttttacgcc 1860
caagttttgc tccttgagag cagattggct gatgcccctg caaccacgc ccaagctctg 1920
cctcaaagac cgagtgcac aagccattcc caccctccta ggttcacatc cagggtctgt 1980
tcttccttgg gggaggagat ggtgtcgttt aaatcagggt aaggcagtca ggcgggtgtt 2040
caccactgcc ttttcttcct ctgagcgtga gaacactgaa cccagccact gccctgggt 2100
ccctgtcctg gaaatggtct aataaatcct tttcccttct tgagctaaaa aaaaaa 2156
```

<210> 7880

<211> 2137

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1752)...(386)

<223> similar to gi2832739 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7880
tcgcttatac tcattcagca aataattatt gaactccatt tacgtaccag acactgttaa      60
ttgatgttac tcacttttcc tttcagaact aaagccttat cagttgtgtg ttgagatagg      120
aagaggagac tttttccact tcttgtgttt cctacagtta ctcccttccc aaactgataa      180
agtatacagt ttataaaaaat cttaaaaaact cattcttact ggtaaattca ttttaataat      240
gaggggaaaa aacttttagtt attaaaaaca aaagaatgaa tacacataca cacactaaat      300
gtggcagatg tttccaggag agattagcaa cagagaggcc acatgatcaa ataaaattta      360
cacttttgat gggattgtcc cctcgcggcc acccaagtgt ttgtggaaga aagtctggag      420
ttgtttccaa gcatccacct gagccatggc atgagccctg ggctcccctc cccagataat      480
aggactgccc accaaggcat gcagggaagc cgcacacagg gggaagtaag gaggtcfaat      540
atagtgcctt gtctctgggt aacagatgat ctggggcttt ctctcccat gggcctgcaa      600
gcgtttacag gcctcattag catagaactc actcttcagg ttgtggtcac cctgacctac      660
caggaacagg aaggtgctct ctgccctttc cacaggaatg aagctcttct ggtcagggtcc      720
ttccaaaggg ctgttcagga catccacaat gtctgcatag ccatctttgg tcaccttgat      780
gcgatttctg ttgacgccc aagggggcag ggtctcgccc ttgtagcgta aggttcccccc      840
aacattggcc acagagccgt tgatgacgac agcagccgtg atgcccttca ggaaagaggc      900
catggaaaagg cagagctcac cccctttgga aattccaagc agcccaactc ctggaccttt      960
tacctcgga tgactgagca agtagttcat ggcttcttca aagtactcca gatggagcgt     1020
ctccatggtc ttggggaggt cttcatagtt ataataagcc agagccatca cagcaaaacc     1080
cttcccagcc agcagactag cccgatactc cagcaggcca cctccagttc cgaacatgtc     1140
cacaatccca ggaaagggcc caggttctgg cggcaggaag agcgtgcctc gcaccggcc     1200
cacgcgacc ggctcgccc gcacccggg cgggaggaag tagcgctcgt gccgctctg     1260
gcacagcagc cgcccggggt cggggtcgtg gccatccagc acctccagct ccacggccaa     1320
gggcgttcgc acgtcgcgct tcaccagccg caccaaaggt ttctcgggct ccaaggccca     1380
gagcagcccc atgggctcaa gccccgcgaa gctgcgccc agcgcgggcg cgcgtccag     1440
gtccagctcg ccaagagtgt cggcgcggtg gcgcgcggtg gcctggaaaa gcgcgccctt     1500
ctcgtcgcgc agggacgcgc gcagcgtgac cggctgctcc ggggctaggc cgcgcacggc     1560
gattcgacc ggttcgtccc agcagcagcg gccgcaggc tccaggatca gcgtcgccgc     1620
catccgagca ggaaccctaa tgatctgacc aacctgcctc agctgtggag accccaggaa     1680
ctgcgccgaa ctcttcaggc tccattggta cagccgggac gctcgaagga cagcaggaga     1740
tgaggccatt ttgaattcag acctgagaac aactgaatgg ggggtggggag aaagaagctt     1800
gttagacatc ctctcgggct gccgtcgag gctaagcgcc cactagggca gagctgtctg     1860
ctaactgtag cggggaaggc cagagtccag ccgatcagcc agaccaaata tagacacact     1920
ggaacttgct taaagtctcc tgtgttgaaa cctccacttt atgttggaat gctacttcct     1980
aggtttgctt ttcagaagct tgctggcctg cggaatgggc tggaccaggg ctggttctta     2040
aagaaccagg cagctagcag tctccaggct ccaaactcct gacggcgaag aggaatgcag     2100
agctggagtt agttttgatc actttgttga ataatttt     2137

```

<210> 7881

<211> 1135

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (113)...(390)

<223> similar to gi337730 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7881
ggggcagagg gaataagagg ctgcctctgc ccaccagtcc tgccgcccag gacccgcagc      60
agagacgacg cctgcagcaa ggagaccagg aaggggtgag acaaggaaga ggatgtctga      120
gctggagaag gccatggtgg ccctcatcga cgttttccac caatattctg gaagggaggg      180
agacaagcac aagctgaaga aatccgaact caaggagctc atcaacaatg agctttccca      240
tttcttagag gaaatcaaag agcaggaggt tgtggacaaa gtcattggaaa cactggacaa      300
tgatggagac ggcgaatgtg acttccagga attcatggcc tttgttgcca tggttactac      360
tgctgccac  gagttctttg aacatgagtg agattagaaa gcagccaaac ctttctgtta      420
acagagacgg tcatgcaaga aagcagacag caagggcttg cagcctagta ggagctgagc      480
tttccagccg tggtgtagct aattaggaag cttgatttgc tttgtgattg aaaaattgaa      540
aacctctttc caaaggctgt tttaacggcc tgcattcttc tttctgctat attaggcctg      600
tgtgtaagct gactggcccc agggactctt gttaacagta acttaggagt caggtctcag      660
tgataaagcg tgcaccgtgc agcccgccat ggccgtgtag accctaaccg ggaggggaacc      720
ctgactacag aaattacccc ggggcaccct taaaacttcc actaccttta aaaaacaaag      780
ccttatccag cattatttga aaacactgct gttctttaa tgcgttcctc atccatgcag      840
ataacagctg gttggccggt gtggccctgc aagggcgtgg tggcttcggc ctgcttcccg      900
ggatgcgcct gatcaccagg tgaacgctca gcgctggcag cgtcctggaa aaagcaactc      960
catcagaact cgcaatccga gccagctctg ggggctccag cgtggcctcc gtgacctatg     1020
cgattcaagt cgcggctgca ggatccttgc ctccaacgtg cctccagcac atgcggcttc     1080
cgagggcact accgggggct ctgagccacc gcgagggcct gcgttcaata aaaag           1135

```

<210> 7882

<211> 2844

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (211)...(2113)

<223> similar to gi4107276 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 7882
cggcacgagg agcggcccgc ttcaggcctc agaatcactc ttggagttag atattttaaga      60
atccttcctg ccttgacagc cagtctgtga aatgatggtg aggtgggcac ttctttgtgg      120
tgagtgcaga tctggatgga gatttgtgaa ggcaaggaga ttgaagacat gtcctcataa      180
gagggagaaa atctgagctg gtccaggaa ttctggggag acattgccaa ggaattttac      240
tggaagactc catgccctgg cccattcctt cggtaacaact ttgatgtgac taaagggaaa      300
atctttattg agtggatgaa aggagcaact accaacattt gctacaatgt actggatcga      360
aatgtccatg agaaaaagct tggagataaa gttgcttttt actgggaggg caatgagcca      420
ggggagacca ctcatcac ataccatcag cttctggctc aagtgtgtca gttcagcaat      480
gttcttcgaa aacagggcat tcacaagggg gaccgagtg ccattctacat gcctatgatc      540
ccagagcttg tgggtggccat gctggcatgt gcccgcttgg gggctttgca ctccattgtg      600
tttgaggctt tctcttcaga gtctctatgt gaacggatct tggattccag ctgcagtctt      660
ctcatcacta cagatgcctt ctacaggggg gaaaagcttg tgaacctgaa ggagctggct      720
gacgagggcc tgcagaagtg tcaggagaag ggtttcccag taagatgctg cattgtggct      780
aagcacctgg ggcgggcaga gctcggcatg ggtgactcca ccagccagtc cccccaatt      840

```


| | | | | | | |
|-------------|------------|------------|-------------|------------|-------------|------|
| aagaggtcat | gcccagatgt | gcagatctca | tggaaccaag | ggattgactt | gtggtggcat | 900 |
| gagctcatgc | aagaggcagg | ggatgagtgt | gagcccagat | ggtgtgatgc | cgaggaccca | 960 |
| ctcttcatcc | tgtacaccag | tggctccaca | ggcaaacca | aggggtgtgt | tcacacagtt | 1020 |
| gggggctaca | tgtcttatgt | agccacaacc | ttcaagtatg | tgtttgactt | ccatgcagag | 1080 |
| gatgtgttct | ggtgcacggc | agacattggt | tggatcactg | gtcattccta | cgtcacctat | 1140 |
| ggggccactgg | ccaatggtgc | caccagtgtt | ttgtttgagg | ggattcccac | atatccggac | 1200 |
| gtgaaccgcc | tgtggagcat | tgtggacaaa | tacaaggtga | ccaagttcta | cacagcacc | 1260 |
| acagccatcc | gtctgctcat | gaagtttgga | gatgagcctg | tcaccaagca | tagccgggca | 1320 |
| tccttgccagg | tgtaggcac | agtgggtgaa | cccatcaacc | ctgaggcctg | gctatggtac | 1380 |
| caccgggtgg | taggtgcca | gcgctgcccc | atcgtaggaca | ccttctggca | aacagagaca | 1440 |
| ggtggccaca | tgtagctcc | ccttctggtt | gccacacca | tgaaccgg | ttctgtact | 1500 |
| ttcccattct | ttggtgtagc | tcctgcaatc | ctgaatgagt | ccggggaaga | gttggaaggt | 1560 |
| gaagctgaag | gttatctggt | gttcaagcag | ccctggccag | ggatcatgcg | cacagtctat | 1620 |
| gggaaccacg | aacgctttga | gacaacctac | tttaagaagt | ttcctggata | ctatgttaca | 1680 |
| ggagatggct | gccagcggga | ccaggatggc | tattactgga | tcactggcag | gattgatgac | 1740 |
| atgctcaatg | tatctggaca | cctgctgagt | acagcagagg | tggagtcagc | acttgtggaa | 1800 |
| catgaggctg | ttgcagaggc | agctgtggtg | ggccaccctc | atcctgtgaa | gggtgaatgc | 1860 |
| ctctactgct | ttgtcacctt | gtgtgatggc | cacaccttca | gccccagct | caccgaggag | 1920 |
| ctcaagaagc | agattagaga | aaagattggc | cccattgcca | caccagacta | catccagaat | 1980 |
| gcacctggct | tgcctaaaac | ccgctcaggg | aaaatcatga | ggcgagtgt | tcggaagatt | 2040 |
| gctcagaatg | accatgacct | cggggacatg | tctactgtgg | ctgaccatc | tgatcatcagt | 2100 |
| cacctcttca | gccaccgctg | cctgaccatc | cagtgaacat | gatcctgacc | tttacctagg | 2160 |
| attcctcctg | ctccaaactt | tgcccatcct | ctttgcccc | tcaggagtgc | tgagggccag | 2220 |
| tgtagacca | caactacctc | ccttgaccag | ctgtctggga | ccggaaacca | gctttgtctc | 2280 |
| caggtagaga | caacatcctg | tgactgccag | gcagaaagga | cagggccag | gtcagcctca | 2340 |
| gtctgtctg | cctccagact | gcagagctct | cagaaccag | aacagagacg | aaaaggctac | 2400 |
| ctctcctacc | caagttaaag | gttcaaagg | gatgtgagg | cctccactga | agcaggagg | 2460 |
| cagctgtgta | atcctatgtc | agctctctta | ggaagcccca | gtacttatat | tgggcatgca | 2520 |
| cttgccctta | aaaacaatga | tttgtgagtc | caggaaacaat | ttactatttt | taaaatattt | 2580 |
| tgctgcttct | gttctgggtc | tgaattccct | tttgtgccag | attcagtctc | cagagggtat | 2640 |
| tcagatcatc | tgcttctttg | aaggagtaaa | tgtgttttgt | tcctagggcc | agaggagctt | 2700 |
| gtcttctctg | tcctctgttc | ccaccctccc | ctgaacagaa | cccagcccat | aagagacatt | 2760 |
| ctcagatgaa | actctgtttt | cttgccccag | tcaggctcaa | gcctgtggt | tgtaggaata | 2820 |
| aagcctgtga | tctcaaaaaa | aaaa | | | | 2844 |

<210> 7883

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (351)...(261)

<223> similar to gi3478640 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7883

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttttttt | ttacaaagag | aaacatcagg | gactttaatc | acatcccgc | gctctgcgga | 60 |
| cctgccagg | cgctgatgct | gcgcacagcc | cacccccatt | ccctccctcc | cgccctcctg | 120 |
| gccctggcca | gctcagctct | gtccgggggc | ggagaggggg | tcctgaggca | gcagcagccc | 180 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| agctccagag | tgacaggcag | gggctgtcca | gctgagtctc | cgccccacg | ttgccctggg | 240 |
| gcaggcccag | ctgctgtcag | tgctgcttga | gacactcagc | agcatcttcc | aaggtcaggt | 300 |
| tggccaagtg | tgggggctcc | agacacctta | aggctggcga | taccaggctg | cggggagacg | 360 |
| aggctgcctc | agctctccat | gtccccacc | ccctgcctcc | ctccctgggg | gccccaggcc | 420 |
| tctcctcca | gctgggacgt | gtggtcctat | gtgtggccac | atccacgaca | ccctcgtgcc | 480 |
| tgggatgtca | gcagggtgtg | caggccgcgg | cacgctggtg | ttggcttacg | agcaccctt | 540 |
| ctcccagggc | ctcccttctc | tgggtcactc | acaaggccgg | ggtggctctg | tgtgtcccag | 600 |
| gccaggagaa | ggcagaggag | cgtggtctgt | tcatgaaacc | accacatggg | tgtggttgca | 660 |
| gaggtgacat | ccagcaggtg | tcccaggtat | agggagagcc | ccacctgcag | tgccccact | 720 |
| gatctagagg | accccctagc | ccccctcgaa | ttcctgcac | | | 759 |

<210> 7884

<211> 1560

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1561)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (638)...(1001)

<223> similar to gi2668616 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7884

| | | | | | | |
|-------------|------------|------------|------------|-------------|------------|------|
| tttcgtgagg | cactggctgg | gctctgactg | tcacgttaat | tccctgctgc | tttttctagt | 60 |
| ccccagccgc | ctgccccctc | ctccctcatt | cccagcctgg | gtttggaggc | gatttccctc | 120 |
| tattgactga | gccgactgca | tctctgggca | agcggcgctt | tgctctcttc | ctgtctttgt | 180 |
| ctgctcttcc | tgcagccctg | gcagcgggca | cacccttaag | catacgcacc | caacgcctcc | 240 |
| tccctgagcc | acgaggatgg | agcagccacc | ccggcccggg | actggcgcaa | ggtgcccag | 300 |
| caaggaaaaga | aataatgaag | agacacatgt | gttagctgca | gccttttgaa | acacgcaaga | 360 |
| aggaaatcaa | tagtgtggac | agggtggaa | cctttaccac | gcttggtgga | gtagatgagg | 420 |
| aatgggctcg | tgattatgct | gacattccag | catgaatctg | gtagacctgt | ggttaaccgg | 480 |
| ttccctctcc | atgtgtctcc | tcctacaaag | ttttgttctt | atgatactgt | gctttcattc | 540 |
| tgccagtatg | tgtcccaagg | ggctgtcttt | gttctttcct | ctgggggggtt | ttaaatgttc | 600 |
| acctgtaggc | antgcaaadc | tcaaggaaat | acctagagat | cttcctcctg | aaacagtctt | 660 |
| actgtatctg | gactccaadc | agatcacatc | tattcccaat | gaaattttta | aggacctcca | 720 |
| tcaactgaga | gttctcaacc | tgtccaaaaa | tggcattgag | tttatcgatg | agcatgcctt | 780 |
| caaaggagta | gctgaaacct | tgcagactct | ggacttgtcc | gacaatcgga | ttcaaagtgt | 840 |
| gcacaaaaat | gccttcaata | acctgaaggc | cagggccaga | attgccaaca | acccctggca | 900 |
| ctgcgactgt | actctacagc | aagttctgag | gagcatggcg | tccaatcatg | agacagccca | 960 |
| caacgtgatc | tgtaaaacgt | ccgtgttgga | tgaacatgct | ggcagaccat | tcctcaatgc | 1020 |
| tgccaacgac | gctgaccttt | gtaacctccc | taaaaaaact | accgattatg | ccatgctggt | 1080 |
| caccatgttt | ggctgggtca | ctatggtgat | ctcatatgtg | gtatattatg | tgaggcaaaa | 1140 |
| tcaggaggat | gcccggagac | acctcgaata | cttgaaatcc | ctgccaagca | ggcagaagaa | 1200 |
| agcagatgaa | cctgatgata | ttagcactgt | ggtatagtgt | ccaaactgac | tgtcattgag | 1260 |
| aaagaaagaa | agtagtttgc | gattgcagta | gaaataagtg | gtttacttct | cccatccatt | 1320 |

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|------|
| gtaaacattt | gaaactttgt | atttcagttt | cttttgaatt | atgccactgc | tgaactttta | 1380 |
| acaaacacta | caacataaat | aatttgagtt | taggtgatcc | accccttaat | tgtacccccg | 1440 |
| atgggtatatt | tctgagtaag | ctactatctg | aacattagtt | agatccatct | cactattttaa | 1500 |
| taatgaaatt | tattttttta | attttaaagc | aaataaaagc | ttaactttga | accatgaaaa | 1560 |

<210> 7885

<211> 2859

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (165)...(903)

<223> similar to gi386420 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7885

| | | | | | | |
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| tttcgtggcg | cgggcgagg | cgggcgcg | agaagtggcg | gaggtggaag | cggaggcgta | 60 |
| cccgccctg | gggacgtcat | tgggtggcga | ggcaatggcc | ggcaaccagc | tgtaagcgag | 120 |
| gcacggaaga | catatgcttg | tgagacaaag | gtgtctctga | aactatggat | ggtacaagaa | 180 |
| cttcacttga | cattgaagag | tactcggata | ctgaggtaca | gaaaaaccaa | gtactaactc | 240 |
| tggaagaatg | gcaagacaag | tgggtgaacg | gcaagactgc | ttttcatcag | gaacaaggac | 300 |
| atcagctatt | aaagaagcat | ttagatactt | tccttaaagg | caagagtgga | ctgagggtat | 360 |
| tttttcctct | ttgcggaaaa | gcggttgaga | tgaaatgggt | tgacagaccg | ggacacagtg | 420 |
| tagttgggtg | ggaaatcagt | gaacttggga | tacaagaatt | ttttacagag | cagaatcttt | 480 |
| cttactcaga | agaaccaatc | accgaaattc | ctggaaccaa | agtatttaag | agttcttcgg | 540 |
| ggaacatttc | attgtactgt | tgacgtatct | ttgatcttcc | caggacaaat | attggcaaatt | 600 |
| ttgacatgat | ttgggataga | ggagcattag | ttgccattaa | tccaggtgat | cgcaaattgct | 660 |
| atgcagatac | aatgttttcc | ctcctgggaa | agaagtttca | gtatctcctg | tgtgttcttt | 720 |
| cttatgatcc | aactaaacat | ccaggtccac | cattttatgt | tccacatgct | gaaattgaaa | 780 |
| ggttggttgg | taaaaatg | aatatacgtt | gtcttgagaa | ggttgatgct | tttgaagaac | 840 |
| gacataaaa | ttgggggaatt | gactgtcttt | ttgaaaagt | atatctactt | acagaaaagt | 900 |
| aaatgagaca | tagataaaa | aaaatcacac | tgacatgttt | ttgaggaatt | gaaaattatg | 960 |
| ctaaagcctg | aaaatgta | ggatgaattt | ttaaaattgt | ttataaatca | tatgatagat | 1020 |
| ctttactaaa | aatggctttt | tagtaaagcc | atttactttt | tctaaaaaag | ttttagaaga | 1080 |
| aaaagatgta | actaaacttt | taaagttagct | cctttggaga | ggagattatg | atgtgaaaga | 1140 |
| ttatgcctat | gtgtcttgca | gattgcaaga | tattttacca | atcagcatgt | gttacctgta | 1200 |
| caattaaaaa | aatatttcaa | aatgcaatgc | atattaaata | taatacacac | agaaaaactg | 1260 |
| gcattttatt | tgttttattt | ttttgagatg | gagtttcgtt | cttggtgccc | aacctggagt | 1320 |
| gcaatggtgc | aatctcagct | cactgcaacc | tctgcctccc | aggttcaggt | gattctcctg | 1380 |
| cctcagcctc | ctgagtagct | gggattacag | gtgtgcgcca | ccacgcccag | ctaatttttt | 1440 |
| gtatttttag | tagagacagg | gtttcaccat | gttggtcagg | ctgatctcga | gctcctgacc | 1500 |
| tcaggtgatc | taccacctc | ggcctcccaa | agtgtcggga | ttacaggcgt | gagccactgc | 1560 |
| acctggcctg | acattcttta | tgaaatttag | aattgttgaa | gaactataac | atttcagtag | 1620 |
| ggttcaaggt | ggtcccaaaa | gttatataaa | agattagttt | ttactataaa | cccttgtctt | 1680 |
| ttactcagat | cctagcatcc | cttttcacat | ggtttctcca | tgtatataac | agaatcaaga | 1740 |
| aacaaatttt | aattaaacaa | tctgtaacag | aatcaagaaa | caaatacatt | ttaattaaac | 1800 |
| aatctatatg | gaacaaacat | tcccaaattc | taagaataaa | tttttcttta | agttttctct | 1860 |
| gagtttggca | attgttggtt | tttataattt | aatctgttta | aatcatcagg | tcttataaaa | 1920 |
| tataatgtac | ttagagctgg | attcatggct | gtttattatg | aaagggttaga | tttctcagtt | 1980 |

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|------|
| cttctttaac | cacattttgt | tatatcagac | agtcctctat | aactctgtac | taccaacaa | 2040 |
| ctaaatgggt | tagattgttt | agctcatgtt | aataggatgg | ttgtgtatta | taaaaaacga | 2100 |
| gttacgtgtg | tgtgtgcacg | catgcacgca | catgtgctgg | cttaaagggt | gttaatgcaa | 2160 |
| ggtttggggg | cccctttaac | actggtgaaa | gctacggtac | tctccccaga | gatatgtctt | 2220 |
| gtcagcctct | ctagttcccc | ttggcctgca | tgtacaaact | tctaccctag | aagctctctg | 2280 |
| ccatcgatgt | attctaatag | atttghtaagg | ctattaattt | gaagcaactc | cttgctcaca | 2340 |
| gtgattcttg | cttctctgag | acctgctccc | agtcgatact | gtgggcttca | gaagccatga | 2400 |
| ctccccaaact | ctgcctgtat | caccggttga | atggacaact | aacccgagct | ggaccaacac | 2460 |
| aattctctcc | agagactttt | gattttactt | ttatgtagag | acagggtctc | actttgttgc | 2520 |
| ccacgctgat | gttgaacttg | acgtgaggcc | tcaagcagtc | ctcctgtctt | ggccacccaa | 2580 |
| agtgttagga | ttacaggtat | gagccattgc | gctggccctc | ttcataggct | tttggacttg | 2640 |
| ggaatagaaa | agcaaccccg | tctctactaa | aaatacaaaa | aaattggcca | ggcgtgggtg | 2700 |
| cacgtgcctg | taatcccagc | tacttgggag | gctgaggcag | gagaatcact | tgaacctggg | 2760 |
| aggcggaggt | tgcagtgagc | tgagatcatg | ccactgcacg | ccagcctggg | caacagagca | 2820 |
| agactctgtc | tcaaaagaaa | gaaaaagaaa | agaaaaaaa | | | 2859 |

<210> 7886

<211> 1221

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (493)...(1189)

<223> similar to gi4309918 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 7886

| | | | | | | |
|------------|------------|------------|-------------|-------------|-------------|------|
| aagaagggtt | cctggcctgt | tgcagccatg | gtgcattgca | gttgcggtgt | gttcagaaaag | 60 |
| tatggaaatt | tcacgataa | gctaagactc | ttcaccagg | gaggatccgg | tggaaatgggt | 120 |
| tatcctcggt | taggtggaga | aggtggaaaa | gggtgggtatg | tctgggttgt | agcccacaac | 180 |
| agaatgactt | taaaacaact | taaagacagg | tatcctcgga | aacggtttgt | ggctggagta | 240 |
| ggagcaaaca | gcaaaattag | tgcactgaaa | ggctccaaag | gaaaagactg | ggaaatccct | 300 |
| gtgcctgtgg | gtatttcagt | aactgatgaa | aatggtaaaa | ttataggaga | actcaataaa | 360 |
| gaaaatgaca | gaattttggt | agctcaagga | ggctctgggtg | gtaaattact | tacaaatttc | 420 |
| ttaccattga | aaggccagaa | acgaataatt | caccttgatc | taaaacttat | agctgatgta | 480 |
| ggcctagtag | gattcccaaa | tgctggaaaa | tcctctttgc | taagtttgtgt | ttctcatgca | 540 |
| aaacctgcaa | ttgcagatta | cgcatttaca | acattaaagc | ctgaacttgg | aaagataatg | 600 |
| tacagtgatt | tcaaacagat | atcagtagct | gatcttccgg | gtttaataga | aggagcacat | 660 |
| atgaacaaag | gaatgggcca | caaattcctc | aagcatatag | aaagaactag | acaactactt | 720 |
| tttgttgttg | atatttcttg | atttcagctt | tcttctcaca | ctcaatacag | gacagctttt | 780 |
| gaaaccataa | tactgcttac | aaaagagttg | gaattgtaca | aagaggaact | tcagacaaaa | 840 |
| cctgcactct | tggcagttaa | taaaatggac | ttgccagatg | cccaagataa | gttccatgaa | 900 |
| ttgatgagcc | agctccagaa | tcctaaagat | tttctgcatt | tatttgaaaa | aaacatgatt | 960 |
| ccagagagga | ctgtagagtt | ccaacatatc | atccccatat | ctgcagttac | tggagaagga | 1020 |
| atcgaagaat | taaagaattg | tataagaaag | tcactggatg | aacaggccaa | ccaggaaaat | 1080 |
| gatgcacttc | ataagaaaca | gttgcttaat | ttgtggattt | ctgatacaat | gtcttctact | 1140 |
| gagccaccat | caaagcatgc | tgttactact | tccaaaatgg | atataattta | aatatattaa | 1200 |
| aaatggtatt | gatggaacag | t | | | | 1221 |

```

<210> 7887
<211> 1324
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (32)...(477)
<223> similar to gi3171914 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7887
gcgagcgtga cccaactgcg gacggtcagc catggagact ggagcgtgc ggcgcccga      60
acttctcccc ttgctgctgc tgctctgcgg tgggtgtccc agagcaggcg gctgcaacga      120
gacaggcata ttggagaggg tgccctgtg tgggaaggct ttcgcagaca tgatgggcaa      180
ggtaggacgt tggagtggt gcaacctgtc cgagttcatc gtgtactatg agagtttcac      240
caactgcacc gagatggagg ccaatgtcgt gggctgctac tggcccaacc ccctggccca      300
gggcttcata accggcatcc acaggcagtt cttctccaac tgcaccgtgg acaggggtcca      360
cttgaggagc cccccagacg aggtttctcat cccgctgata gttataaccg tcgttctgac      420
tgtcgccatg gctggcctgg tgggtgtggcg cagcaaacgc accgacacgc tgctgtgagg      480
gtcccggtga gatggagtgg gtcacacctg gcaagctgga agaaagtcc ctgggggatgg      540
gagagcgggt ggggtgctgcc aatctccagc tactgtggcc acacccacc tgggtcatggg      600
cagacccctc ctttctctgg ctgacctgct ccctcgaggc cagcctgctc cctggctgag      660
gctcaggcta tccgcccag ctctttgctc attctagggc cagtggagga aaatgtgata      720
aggccggagc ttgtgtgctg ggcacagaaa tcacctgctg catcctgtgc tccgcaggct      780
gggcccggagc ctctgcctgc aggtttctat gctgtttctt agcacagaat ccagcctagc      840
cttagccgca gtctaggccc tgcttggaact aggactcctt gcttgacccc atctctggtt      900
cctgccctgg ctctgcacc agccccagct cctgcctaca tccaggcaga aatataggca      960
ggggctcttg gaagacgttc cgtgctgtga cctccgagcc ctctgggtgg gaagacagct     1020
ggaaaggctg ggaggagaag ggaggggctg ggggttccca ggagccatgc gtggcctgca     1080
gagtcatttc catcatgatg ctgtgcccgc tatgggctgt gtccatgacc agaggctgga     1140
gtgggggtgt gttagagccc ctacccggga cttgctgtgc ggatggggcc tgggcctcct     1200
tctacaggg gctcctctgt ggggtgaggg ccctctggaa tggcatccca tgagcttgtg     1260
gctctatct gctaccatct gtgttttata tgagtaaagt taccttactt ctggaaaaaa     1320
aaaa

```

```

<210> 7888
<211> 1850
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1743)...(1216)
<223> similar to gi3880857 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 7888
tttttttttt ttaactgacc aattttttata agtttagtta aagatgatga ccatcttact    60
tcattacatc tccattaaga cagtttggtta tttcagttac aggtgtatga ctgggagttc    120
aattcttttc tgtgataagt acgaatgact caagctacca ttcaatattc actttacaga    180
tatatgaagc ttgtctactt cacgttcaaa ggttttcctt aatttcgtct tttatctaaa    240
tcagggtcaag tctcttctca taaatgagga aatattaaat gagtgggcag gctctcaagg    300
aaataaaaaa gtgactaggc aggaataaat ctggcaactt ctgtggaata ggatttttct    360
cagtgggtcta aaaataacaa acaccattta tggaccaaag actaggtgcc atgagtttta    420
gaaattggtc cccactccac tgttatgtgt accattatcc cagtggcaga gatacacaga    480
aagccaaggc tcagaggcag taagtcatgg gtccgaggcc tcttgctgat gacaaaactg    540
gaatctgaac ccacgtcagg cttacattta cacatacatg tatacaaagt tacacatata    600
cagcttagat tccataaaat acagtaatct agtggtgga caaattattt ctaataaatg    660
ttataaaata taaacgcctc tctgaatcct ttagaaaaatt aattttgcca tgaagtacaa    720
aaaggaaaga gatacaactt aagtatgaac aaagttatag gatactacaa acagttggta    780
atatatactg tctttaaaaa tcatttctcc ttatcgaggc attaagccat attgtttata    840
atgtgaagag ctattggcat cttattttcc taccataac catgaccatc acttattcat    900
cttttcatgc atccagggtgc atggaaaggc agtaagtaca atttttaaga aaatagcatc    960
aaaagcagat tttaaatcta cctgtttttc ctctgtttgt tttctccaac agttaaggaa   1020
agtaatagta atttctcatt ccaaaccaaa gacaattatg ctcttttgct aaggacacag   1080
ctgtaagtct ctacaagatc aggggaagact acaatatttc agaaaaacac tcccagtaaa   1140
gtttatgctt gaatgggcag ctggaaatgc atcgatgtac agggcctctt ttcacggcct   1200
ctaaaagtgc ttgcatcata tgcccacact gtgtctatcc cctccccctg gacgtgggtc   1260
ggagtccaat gtgggaaagg gaaccggcaa gcaataactc gtgcatcatc ctcaagttca   1320
cgttcaagtt tcttctccaa ctgcagcatc atctgaggca caccgaaaat aacaacgttc   1380
gagtactgcg aaaaagtaac cttccacaaa tctgaaatat aaaatttggc agatccatgc   1440
acaccttctc gccaaagcgc gtatctggaa taccaaacta gccatggggt taattcataa   1500
ccaactgctg tgaacccttt cttcgcagcc gctatgacaa tgcgtccgtc cccactaccg   1560
atgtccacaa gggatcctct tcggcatcgc aacattttca caacattttc aatctgcttc   1620
atagttgcag gtacaaatgg caaacagact tttcgaaggg ctggcggttac aaacggcgtg   1680
gctacagcgt acacagccac cagggtgcc cccacaagcc cagtaagtaa gaacccccag   1740
ttgcttttct gcaaaactgt gacttcaaaa cttgcaggta gaacatgtct tgactgactt   1800
tcttctttta gtgtttctag ggttatacct cctcctcct ccacgcgag    1850

```

<210> 7889

<211> 1109

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (144)...(446)

<223> similar to gi2649424 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 7889
ttcgagcgtg gctcgtgggt tttccgtgaa gtcgcgggtgc agcggtgggc ggcattgtctg    60

```

| | | | | | | |
|-------------|-------------|------------|-------------|------------|------------|------|
| tggccggtgg | ggagattcgt | ggggacacgg | ggggagagga | cactgctgct | cccggccggt | 120 |
| tcagcttcag | cccggagccc | acgctcgagg | acatccgccc | cctccatgct | gagtttgctg | 180 |
| cggaaacgaga | ctgggaacag | ttccatcagc | ctcggaatct | cctcctggcc | ttggttgggg | 240 |
| aagtggggga | gctgggcagaa | ctctttcagt | ggaaaaccga | tggggaacct | ggcccccaag | 300 |
| gctggtcccc | cagggaaacgg | gcagcccttc | aagaggagct | tagtgacgtc | ctcatctacc | 360 |
| tggtggcatt | agcagcccg | tgccgtgtgg | atctgccgct | agcagtgtc | tccaaaatgg | 420 |
| acatcaaccg | gcgacgtac | ccagcccatc | tggcccgag | ctcttcccgc | aagtatacag | 480 |
| aattgcccc | tggggccatc | tctgaagacc | aggctgtggg | gcctgcggac | attccctgtg | 540 |
| actccacagg | ccagacctca | acctagaaag | atggccacag | gacttgcaac | tcagggtggg | 600 |
| gtctgaagag | cagagagtgg | cctggccctg | gagccttttt | ctagtctttt | cagaatagat | 660 |
| catgggcctg | aggcctccac | ttcttgaggt | ctgaggccca | gcagcctcta | gaaggtagcc | 720 |
| tcctggtgtt | tgttctccca | gtaaaatggg | tttgggcgat | aacttctaga | ttattcctgg | 780 |
| atggccaggg | aggctctctg | tctcagcagg | tgatgacggg | ggtaccaggg | gtgcctctga | 840 |
| gacccattct | cgtgtttccc | tggtgtacct | tttgccctgca | gggcagagag | atctggtttc | 900 |
| tagcaaattc | ccagtaggat | gtcatgtaag | ttccttcccc | ctcttagaga | ttgaaggctg | 960 |
| taagagtcca | gatggtggag | ccaggctgtc | tgggttcaaa | tgccatcttt | gacacttgca | 1020 |
| agctaaatga | cattactcaa | attaatcggt | ctgcacttca | gcttccttgt | ctatcaaata | 1080 |
| aaaagaatag | tacctgcccc | aaaaaaaa | | | | 1109 |

<210> 7890

<211> 1181

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (141)...(926)

<223> similar to gi220030 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7890

| | | | | | | |
|-------------|-------------|-------------|------------|------------|-------------|------|
| cccacgcgtc | cggcgggggc | catattagca | gcggttatcc | ggtgagcggg | ggtggtttat | 60 |
| tcttccgtgg | agttaagggc | tccgtggaca | tctcaggtct | tcagggtctt | ccatctggaa | 120 |
| ctatataaag | ttcagaaaaa | atgtctcgaa | gatatgactc | caggaccact | atattttctc | 180 |
| cagaaggtcg | cttatacca | gttgaatatg | ccatggaagc | tattggacat | gcaggcacct | 240 |
| gtttggggaat | tttagcaaat | gatggtgttt | tgcttgacgc | agagagacgc | aacatccaca | 300 |
| agcttcttga | tgaagtcttt | ttttctgaaa | aaatttataa | actcaatgag | gacatggctt | 360 |
| gcagtgtggc | aggcataact | tctgatgcta | atgttctgac | taatgaacta | aggctcattg | 420 |
| ctcaaaggta | tttattacag | tatcaggagc | caataccttg | tgagcagttg | gttacagcgc | 480 |
| tgtgtgatat | caaacaagct | tatacacaat | ttggaggaaa | acgtcccttt | ggtgtttcat | 540 |
| tgctgtacat | tggctgggat | aagcactatg | gctttcagct | ctatcagagt | gaccctagtg | 600 |
| gaaattacgg | gggatggaag | gccacatgca | ttggaaataa | tagcgtgca | gctgtgtcaa | 660 |
| tgttgaaaca | agactataaa | gaaggagaaa | tgaccttgaa | gtcagcactt | gcttttagcta | 720 |
| tcaaagtact | aaataagacc | atggatgtta | gtaaactctc | tgctgaaaaa | gtggaaattg | 780 |
| caacactaac | aagagagaat | ggaaagacag | taatcagagt | tctcaaacaa | aaagaagtgg | 840 |
| agcagttgat | caaaaaaacac | gaggaaagaag | aagccaaagc | tgagcgtgag | aagaaagaaa | 900 |
| aagaacagaa | agaaaaggat | aaatagaatc | agagatttta | ttactcattt | ggggcaccat | 960 |
| ttcagtgtaa | aagcagtcct | actcttccac | actaggaagg | ctttactttt | tttaactggg | 1020 |
| gcagtgggaa | aataggacat | tacatactga | attgggtcct | tgtcattttc | gtccaattga | 1080 |
| atactttatt | gtaacgatga | tggttaccct | tcatggacgt | cttaatcttc | cacacacatc | 1140 |

ccctttttttt ggaataaaaat ttggaaaatg gaaaaaaaaa a

1181

<210> 7891

<211> 1513

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (36)...(1234)

<223> similar to gi4884282 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 7891

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|------|
| tttcgtcttc | gctgtcacga | tttcgtgcta | ggcgtggacc | caactggcga | ggctgctggg | 60 |
| gttgcagcgg | gacagttggg | gcggccccgc | aggcccaggt | ttttgaaaat | aaagttaatt | 120 |
| cagagaaggt | aaaactttct | cttcggaatt | tcccacataa | tgattatgag | gatgtttttg | 180 |
| aagagccttc | agaaagtggc | agtgatccca | gcatgtggac | agccagaggc | cccttcagaa | 240 |
| gagacaggtg | gagcagttag | gatgaggagg | ctgcagggcc | atcacaggct | ctctcccctc | 300 |
| tactttctga | tacgcgcaaa | attgtttctg | aaggagaact | agatcagttg | gctcagattc | 360 |
| ggccattaat | attcaatttt | catgagcaga | cagccatcaa | ggattgtttg | aaaatccttg | 420 |
| aggaaaaaac | agcagcgtat | gatatcatgc | aggaatttat | ggctttagaa | cttaagaatc | 480 |
| tgcttggtga | gttctactct | gggaatcaac | caagcaacag | agaaaaaac | agataccgag | 540 |
| atattcttcc | atatgattca | acacgcgttc | ctcttggaac | aagcaaggac | tacatcaatg | 600 |
| ctagttatat | tagaatagtc | aattgtggag | aagagtattt | ttatatcgct | actcaaggac | 660 |
| cactgctgag | caccatagat | gacttttggc | aaatgggtgt | ggaaaataat | tcaaagtgtt | 720 |
| ttgccatgat | aaccagagag | atggaagggt | gaattatcaa | atgctaccat | tactggccca | 780 |
| tttctctgaa | gaagccattg | gaattgaaac | acttccgtgt | attcctggag | aactaccaga | 840 |
| tacttcaata | tttcatcatt | cgaatgtttc | aagttgtgga | gaagtccacg | ggaactagtc | 900 |
| actctgtaaa | acagttgcag | ttcaccaagt | ggccagacca | tggcactcct | gcctcagcag | 960 |
| atagcttcat | aaaatatatt | cgttatgcaa | ggaagagcca | ccttacagga | cccatggttg | 1020 |
| ttcactgcag | tgccggcata | ggccggacag | gggtgttccct | atgtgtggat | gtcgtgttct | 1080 |
| gtgccatcgt | aaaggactgt | tcattcaaca | tcattggatat | agtggcccaa | atgagagaac | 1140 |
| aacgttctgg | catggttcaa | acgaaggagc | agtatcactt | ttgttacgat | attgtgcttg | 1200 |
| aagtctcttg | gaaacttctg | actttggatt | aagaaagact | tctgttgccct | ctcacttgaa | 1260 |
| attaccaagt | gggtttgcac | ctcctcataa | agaacatggt | tgactgtgc | tgaagggtct | 1320 |
| tgctatgcat | acaatctgct | ttcttggttt | atcagtttat | tttctttcta | aaagctccct | 1380 |
| gaagggcaat | atcattttggc | ttgggggtgat | cagtgtttac | ttattgatct | tgctagacaa | 1440 |
| tatcaaaata | acttcccaca | ttttccagtg | aaacagatgt | tacataaaac | gattgcagct | 1500 |
| tggtctatttg | gtg | | | | | 1513 |

<210> 7892

<211> 1124

<212> DNA

<213> Homo sapiens